

EASST 2022

Politics of
technoscientific
futures

Madrid July 6 - 9

IFEMA, North Convention Centre



Program summary

ORGANIZED BY:



Wednesday 6th July

11:00 - 12:30
Opening and registration

12:30 - 14:00 Break

14:00 - 15:30
16 Parallel sessions

Room N109 - Panel 003

Conflict, contradiction, and crisis in data-intensive health innovation - Session 1

Room N101 - Panel 008

Microbes - Thinking past dualisms - Session 1

Room N106 - Panel 010

ForeSTS. Session 1

Room N114 - Panel 018

The creation and impact of robot visions as key element of technoscientific futures - Session 1

Room N118 - Panel 019

Responsible research assessment and STS - Session 1

Room N108 - Panel 029

Infrastructures of welfare - Session 1

Room N107 - Panel 036

Care-ful datafied futures and technopolitics of care - Session 1

Room N113 - Panel 043

Futures of Artificial Intelligence in medical imaging - Session 1

Room N110 - Panel 046

Geography of research collaborations and communities - Session 1

Room N117 - Panel 048

Transdisciplinary research: how to stay with the trouble and enable co-learning? - Session 1

Room N111 - Panel 056

Bringing STS up to speed? The digital as practice- Session 1

Room N112 - Panel 060

Big Data and the Police: investigating the Dystopia - Session 1

Room N115 - Panel 064

Producing and disseminating scientific knowledge at the age of Open Science - Session 1

Room N116 - Panel 066

Embodying the technoscientific future of astrophysics and planetary science - Session 1

Room N105 - Panel 083

Refracting the good in and through environmental markets - Session 1

Room N102 - Panel 087

Energy futures from the past - Session 1

15:30-15:45 Break

15:45 - 17:15

15 Parallel sessions

Room N109 - Panel 003

Conflict, contradiction, and crisis in data-intensive health innovation - Session 2

Room N101 - Panel 008

Microbes - Thinking past dualisms - Session 2

Room N106 - Panel 010

ForeSTS - Session 2

Room N114 - Panel 018

The creation and impact of robot visions as key element of technoscientific futures - Session 2

Room N118 - Panel 019

Responsible research assessment and STS - Session 2

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Infrastructures of welfare - Session 2

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Care-ful datafied futures and technopolitics of care - Session 2

Room N113 - Panel 043

Futures of Artificial Intelligence in medical imaging - Session 2

Room N110 - Panel 046

Geography of research collaborations and communities - Session 2

Room N117 - Panel 048

Transdisciplinary research: how to stay with the trouble and enable co-learning? - Session 2

Room N111 - Panel 056

Bringing STS up to speed? The digital as practice - Session 2

Room N112 - Panel 065

New technologies and public debate: challenges and opportunities - Session 1

Room 105 - Panel 083

Refracting the good in and through environmental markets - Session 2

Room N102 - Panel 087

Energy futures from the past - Session 2

17:15-17:30 Break

17:30 - 19:00 Plenary 1
Plenary Room

Of crisis, refugees, wars and pandemics: If we aim for a collective opportunity of future, what kind of STS do we need?

19:00 - 20:30
Welcome reception

Thursday 7th July

9:00 - 10:30

14 Parallel sessions

Room N109 - Panel 002

Confluences of genetics and digital data in security settings - Session 1

Room N101 - Panel 008

Microbes - thinking past dualisms - Session 3

Room N106 - Panel 013

Societal acceptance of new and emerging technologies: critical engagements in energy transition and climate change mitigation- Session 1

Room N114 - Panel 018

The creation and impact of robot visions as key element of technoscientific futures - Session 3

Room N118 - Panel 020

Situating ethics: how normativity shapeshifts as technoscience transmogrifies - Session 1

Room N110 - Panel 025

Does science perpetuate crises? How research fields contribute to change or continuities in tackling socio-ecological challenges - Session 1

Room N108 - Panel 028

Techno-politics of interoperability - Session 1

Room N112 - Panel 034

Pharmaceutical transformations: advanced therapies, personalized medicine and the remaking of healthcare - Session 1

Room N107 - Panel 036

Care-ful datafied futures and technopolitics of care - Session 3

Room N113 - Panel 043

Futures of Artificial Intelligence in medical imaging - Session 3

Room N111 - Panel 059

Artificial Intelligence controversies - Session 1

Room N116 - Panel 067

Technoscientific political futures through the lenses of classical studies - Session 1

Room N102 - Panel 074

Urban speculations - Session 1

Room N117 - Panel 077

From acceleration to tardiness; qualitative temporalities in the taming of visions in innovation processes - Session 1

Room N115 - Panel 085

Unseen participation? When the uninvited shape matters of collective concern - Session 1

10:30 - 11:00 Coffee break

11:00 - 12:30

15 Parallel sessions

Room N109 - Panel 004

The futures in and of genomics - Session 1

Room N106 - Panel 013

Societal acceptance of new and emerging technologies: critical engagements in energy transition and climate change mitigation- Session 2

Room N101 - Panel 017

Microbes II: The political futures of microbial life - Session 1

Room N118 - Panel 020

Situating ethics: how normativity shapeshifts as technoscience transmogrifies - Session 2

Room N108 - Panel 028

Techno-politics of interoperability - Session 2

Room N112 - Panel 034

Pharmaceutical transformations: advanced therapies, personalized medicine and the remaking of healthcare - Session 2

Room N107 - Panel 037

Care as a high-tension zone: Investigating the ambivalences of care in the midst of the pandemic - Session 1

Room N114 - Panel 038

Making media futures: from meanings to imaginations and expectations - Session 1

Room N102 - Panel 040

Hacking everything: the cultures and politics of hackers and software workers (special format) - Session 1

Room N113 - Panel 044

Meaningful human control? Sociotechnical imaginations of AI, drone swarms and the future of warfare- Session 1

Room N110 - Panel 049

Theorising interfaces / Interface theories- Session 1

Room N111 - Panel 059

Artificial Intelligence controversies - Session 2

Room N116 - Panel 070

Has crisis run out of steam? Examining the affective, temporal and aesthetics features of crisis talk - Session 1

Room N117 - Panel 080

Assetization: governing techno-economic futures - Session 1

Room N115 - Panel 085

Unseen participation? When the uninvited shape matters of collective concern - Session 2

12:30 - 14:00 Break

Room N101

EASST Members Meeting

Thursday 7th July

14:00 - 15:30

16 Parallel sessions

Room N101 - Panel 007

Ecological valuing when the stakes are high: on the practicalities of nature-cultural flourishing - Session 1

Room N118 - Panel 021

Closing the loop of empirical ethics: away from normativity and critique and back again - Session 1

Room N108 - Panel 028

Techno-politics of interoperability - Session 3

Room N107 - Panel 037

Care as a high-tension zone: Investigating the ambivalences of care in the midst of the pandemic - Session 2

Room N114 - Panel 038

Making media futures: from meanings to imaginations and expectations - Session 2

Room N113 - Panel 044

Meaningful human control? Sociotechnical imaginations of AI, drone swarms and the future of warfare - Session 2

Room N112 - Panel 045

Practices and politics of digitalization: work and organization in STS - Session 1

Room N110 - Panel 049

Theorising interfaces / Interface theories - Session 2

Room N117 - Panel 051

Methodological experiments in STS: exploring digital and (quali-) quantitative methods - Session 1

Room N106 - Panel 059

Artificial Intelligence controversies - Session 3

Room N115 - Panel 063

Paradoxes and puzzles of/in citizen science - Session 1

Room N116 - Panel 070

Has crisis run out of steam? Examining the affective, temporal and aesthetics features of crisis talk - Session 2

Room N105 - Panel 080

Assetization: governing techno-economic futures - Session 2

Room N102 - Panel 086

The forests within and the brains without: alternative heuristics of the anthropocene - Session 1

Room N111 - Panel 093

Governing science - Session 1

Room N109 - Panel 094

AI, digitalization, and algorithms - Session 1

15:30 - 15:45 Break

15:45 - 17:15

16 Parallel sessions

Room N109 - Panel 005

Who cares about neuroscience now? - Session 1

Room N101 - Panel 007

Ecological valuing when the stakes are high: on the practicalities of nature-cultural flourishing - Session 2

Room N107 - Panel 015

Crafting energy literacies for decolonial postcarbon futures - Session 1

Room N118 - Panel 021

Closing the loop of empirical ethics: away from normativity and critique and back again - Session 2

Room N114 - Panel 026

Science diplomacy for the 21st century? The old, the new, and the wanted - Session 1

Room N105 - Panel 032

European university networks and imaginaries of learning infrastructures - Session 1

Room N112 - Panel 033

Futures and narratives in health care politics and policy - Session 1

Room N108 - Panel 040

Hacking everything: the cultures and politics of hackers and software workers (special format) - Session 2

Room N106 - Panel 041

Seeing is believing: veracity and verisimilitude in scientific visualization - Session 1

Room N113 - Panel 045

Practices and politics of digitalization: work and organization in STS - Session 2

Room N110 - Panel 047

Making liveable worlds through reflexive methods: care and intervention in STS research - Session 1

Room N102 - Panel 051

Methodological experiments in STS: exploring digital and (quali-) quantitative methods - Session 2

Room N111 - Panel 052

Co-design and knowing (in) digital health technologies with future users of all ages - Session 1

Room N115 - Panel 063

Paradoxes and puzzles of/in citizen science - Session 2

Room N116 - Panel 071

Aging technofutures: futuring old age in technological societies - Session 1

Room N117 - Panel 092

Covid-19 and public health - Session 1

17:15 - 17:30 Break

17:30 - 19:00

Parallel subplenaries

Room N102

Post-Growth subplenary

Room N101

Science Fiction subplenary

Room N106

Algorithm subplenary

Room N105

Early Career subplenary

Friday 8th July

9:00-10:30

16 Parallel sessions

Room N101 - Panel 009

Fermentation futures: multiplicities, microbiomes, making - Session 1

Room N106 - Panel 011

Infrastructured timescapes of the anthropocene and climate change - Session 1

Room N102 - Panel 016

Engineering and caring for livestock futures in the anthropocene - Session 1

Room N118 - Panel 024

Emotions at work: the affective drivers of technoscientific workplaces and future - Session 1

Room N105 - Panel 027

Situating democratic futures - Session 1

Room N115 - Panel 030

Policy instruments and the making of sociotechnical futures: production, circulation, and effects - Session 1

Room N107 - Panel 031

Rethinking policies and institutions through co-creation, user-driven innovation & research in the wild - Session 1

Room N112 - Panel 033

Futures and narratives in health care politics and policy - Session 2

Room N114 - Panel 042

Data, algorithms, absence, and alterity - Session 1

Room N110 - Panel 047

Making liveable worlds through reflexive methods: care and intervention in STS research - Session 2

Room N108 - Panel 055

Inference worlds: politics of machine learning future - Session 1

Room N111 - Panel 057

Datafication goes material: digital capitalism and the material conditions of existence - Session 1

Room N116 - Panel 068

Debating the hermeneutic critique of technoscientific futures - Session 1

Room N109 - Panel 073

Reactivating urban matters: publics, valuations, and collectives in/as/through urban interventions - Session 1

Room N117 - Panel 079

Innovation and the politics of technoscientific futures: problems, engagements, and possibilities - Session 1

Room N113 - Panel 081

Rethinking value in contemporary policy-making - Session 1

10:30 - 11:00 Coffee break

11:00 - 12:30

16 Parallel sessions

Room N101 - Panel 009

Fermentation futures: multiplicities, microbiomes, making - Session 2

Room N106 - Panel 011

Infrastructured timescapes of the anthropocene and climate change - Session 2

Room N102 - Panel 016

Engineering and caring for livestock futures in the anthropocene - Session 2

Room N118 - Panel 024

Emotions at work: the affective drivers of technoscientific workplaces and futures - Session 2

Room N105 - Panel 027

Situating democratic futures - Session 2

Room N115 - Panel 030

Policy instruments and the making of sociotechnical futures: production, circulation, and effects - Session 2

Room N107 - Panel 031

Rethinking policies and institutions through co-creation, user-driven innovation & research in the wild - Session 2

Room N112 - Panel 033

Futures and narratives in health care politics and policy - Session 3

Room N114 - Panel 042

Data, algorithms, absence, and alterity - Session 2

Room N109 - Panel 054

Envisioning coded futures: algorithmically shaped presents and futures of human-machine-relationships - Session 1

Room N108 - Panel 055

Inference worlds: politics of machine learning futures - Session 2

Room N111 - Panel 057

Datafication goes material: digital capitalism and the material conditions of existence - Session 2

Room N116 - Panel 068

Debating the hermeneutic critique of technoscientific futures - Session 2

Room N110 - Panel 069

The times of maintenance - Session 1

Room N113 - Panel 071

Aging technofutures: futuring old age in technological societies - Session 2

Room N117 - Panel 079

Innovation and the politics of technoscientific futures: problems, engagements, and possibilities - Session 2

Friday 8th July

12:30 - 14:00 Break

Room N111

ERC workshop

Room N109

PhD workshop

Room N117

Handbook and anthropology of technology: Book presentation

Room N112

Robot(ic)s & STS Meet-up

Room N115

ST&S Editorial Board Session

Room N110

"Uno, nessuno e centomila: academic conferences in the post-pandemic era"

14:00 - 15:30

16 Parallel sessions

Room N116 - Panel 011

Infrastructured timescapes of the anthropocene and climate change - Session 3

Room N106 - Panel 012

Doing airborne exposure: Stories, devices, knowledges, and practices - Session 1

Room N101 - Panel 014

Interspecies agencies: controversies, ontologies, and new forms of cohabitation - Session 1

Room N113 - Panel 030

Policy instruments and the making of sociotechnical futures: production, circulation, and effects - Session 3

Room N107 - Panel 031

Rethinking policies and institutions through co-creation, user-driven innovation & research in the wild - Session 3

Room N112 - Panel 039

The power of technological promises: quantum technologies as an emerging field - Session 1

Room N105 - Panel 050

Gastrological experiences: practice and knowledge based meetings around a table (special format) - Session 1

Room N109 - Panel 053

Data analytics in science – what is at stake? - Session 1

Room N114 - Panel 054

Envisioning coded futures: algorithmically shaped presents and futures of human-machine-relationships - Session 2

Room N108 - Panel 055

Inference worlds: politics of machine learning futures - Session 3

Room N110 - Panel 062

Making science in public: studying science communication and public engagement - Session 1

Room N102 - Panel 078

In-between metrics and global environmental assessments: valuing environmental scientists and valuing environmental knowledge - Session 1

Room N118 - Panel 079

Innovation and the politics of technoscientific futures: problems, engagements, and possibilities - Session 3

Room N111 - Panel 090

The making and unmaking of technological infrastructures: robots, cyborgs, and maps - Session 1

Room N115 - Panel 096

Changing economies of ecological transformation - Session 1

Room N117 - Closed Panel 019

New governance approaches for critical dual-use technologies - Session 1

15:30 - 15:45 Break

15:45- 17:15 Plenary 2

Plenary room

The future and politics of STS in Europe

17:15 - 17:30 Break

17:30- 18:30

Awards ceremony

16:00 - 19:00

Additional activity

Sensing and making sense of cities as wave fields: a multimodal guided bus tour through hot spots in Madrid.

20:30 Dinner

"Casa Encendida"
Ronda Valencia 2, Madrid

23:00 Party

"Casa Encendida"
Ronda Valencia 2, Madrid

Saturday 9th July

10:00-11:30

13 Parallel sessions

Room N118 - Panel 012

Doing airborne exposure: Stories, devices, knowledges, and practices - Session 2

Room N101 - Panel 014

Interspecies agencies: controversies, ontologies, and new forms of cohabitation - Session 2

Room N112 - Panel 035

The future of vaccine techno-politics: outcomes and lessons of the Covid-19 pandemic - Session 1

Room N117 - Panel 051

Methodological experiments in STS: exploring digital and (quali-) quantitative methods - Session 3

Room N109 - Panel 058

Algorithms we live by and resist: how Artificial Intelligence reshapes daily organizational practices and control - Session 1

Room N115 - Panel 062

Making science in public: studying science communication and public engagement - Session 2

Room N116 - Panel 069

The times of maintenance - Session 2

Room N111 - Panel 091

The sharing economies of technoscience - Session 1

Room N114 - Closed Panel 15

Algorithmic regimes: interactions, politics, and methods - Session 1

Room N113 - Closed Panel 20

Emergent futures beyond the planetary: society, science, technology, and the making of outer space - Session 1

Room N107 - Closed Panel 21

Virtual presence: the dialectics of loneliness and technology - Session 1

Room N108 - Closed Panel 23

Reinventing the politics of knowledge production in migration research - Session 1

Room N110 - Closed Panel 24

Responsible future-making practices: opportunities, tensions, and possibilities - Session 1

11:30 - 12:00 Coffee break

12:00 - 13:30

11 Parallel sessions

Room N112 - Panel 035

The future of vaccine techno-politics: outcomes and lessons of the Covid-19 pandemic - Session 2

Room N118 - Panel 037

Care as a high-tension zone: Investigating the ambivalences of care in the midst of the pandemic - Session 3

Room N114 - Panel 038

Making media futures: from meanings to imaginations and expectations - Session 3

Room N113 - Panel 048

Transdisciplinary research: how to stay with the trouble and enable co-learning? - Session 3

Room N111 - Panel 061

The politics of AI-based security - trajectories, challenges, and (future) lines of investigation - Session 1

Room N115 - Panel 062

Making science in public: studying science communication and public engagement - Session 3

Room N110 - Closed Panel 15

Algorithmic regimes: interactions, politics, and methods - Session 2

Room N117 - Closed Panel 21

Virtual presence: the dialectics of loneliness and technology - Session 2

Room N107 - Closed Panel 23

Reinventing the politics of knowledge production in migration research - Session 2

Room N109 - Closed Panel 26

Art-Science futures in higher education (and beyond) - Session 1

Room N108 - Closed Panel 27

10 years of CRISPR (2012-2022), the relevance of multidisciplinary approaches and the RRI perspective: lessons learned - Session 1

13:30 End of conference

EASST COMMITTEES

Local Committee

Violeta Argudo-Portal

Consejo Superior de Investigaciones Científicas

Miquel Domènech

Universitat Autònoma de Barcelona

Adolfo Estalella

Universidad Complutense de Madrid

Esther Mayoko Ortega Arjonilla

Tufts University

Mario Pansera

Universidade de Vigo

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Universidad de Coruña

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Maja Horst

Technical University of Denmark

Sarah Rose Bieszczad

Universiteit Leiden

Brice Laurent

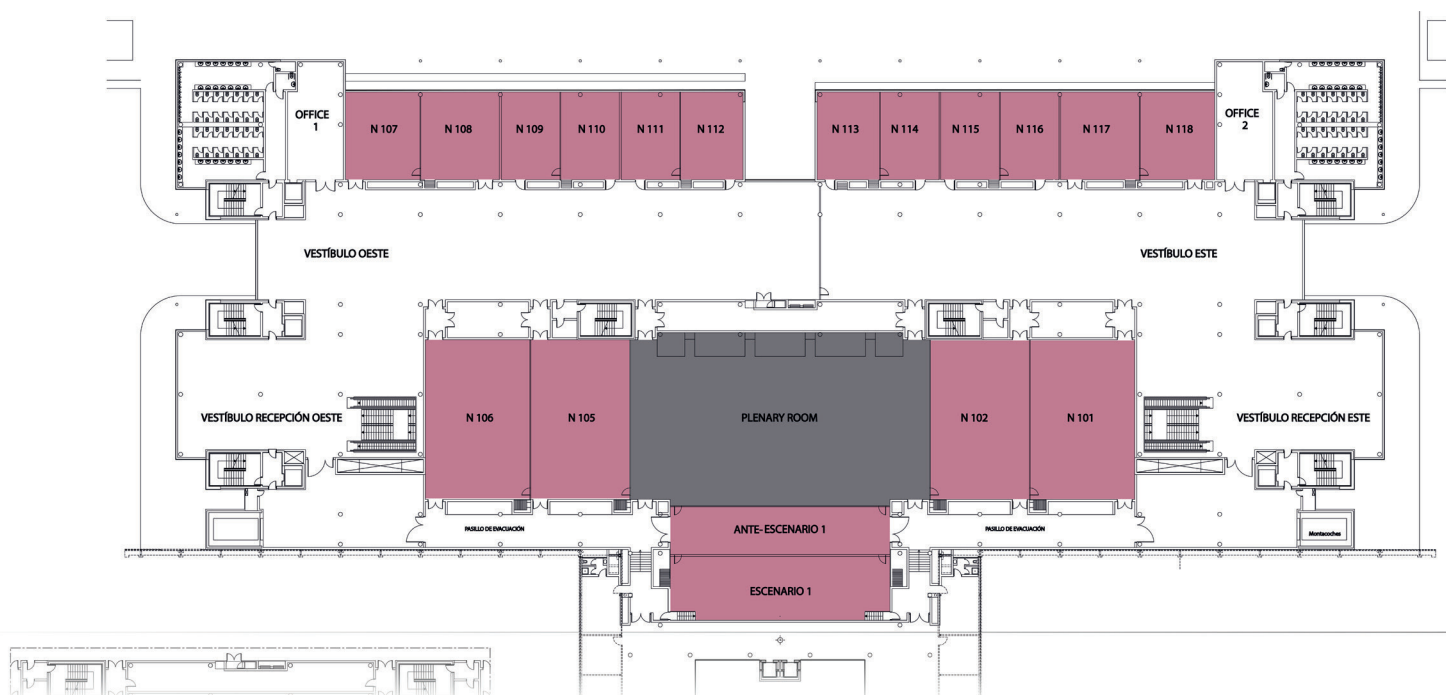
Mines ParisTech

Ulrike Felt

University of Vienna

Sally Wyatt

Maastricht University



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Program

Wednesday 6th July 14:00-15:30

Panel 003. Conflict, contradiction, and crisis in data-intensive health innovation, Session 1 (Room N109)

Chair: Jay Shaw, Joseph Donia, Clémence Pinel & Ine van Hoyweghen

208. Debating the integration of artificial intelligence into artificial reproduction: issues and perspectives (**Kornilla Papanastasiou**)

415. Conflict and compromise: the case of apple researchkit (**Marthe Stevens**)

1007. The health sector and new battleground on data and technological innovation (**Roxana Varvara Boboc**)

207. Health innovation policy for the people (**Shobita Parthasarathy**)

979. From control to decentralised governance: shifts in blockchain application research in medical informatics (**Victoria Neumann, Mike Harding**)

Panel 008. Microbes - Thinking past dualisms, Session 1 (Room N101)

Chair: Salla Sariola, Jose Cañada & Mikko Jauho

540. Humans as microbial Stewards: a decolonial perspective on the microbial self (**Ana Barbosa Mendes, Julia Mars, Hub Zwart**)

80. Between the genotype and the phenotype lies the microbiome: a socio-epistemological inquiry into the making of post-genomic knowledge (**Cécile Fasel**)

682. Environment, taste and porous guts (**Kateřina Kolářová, Tereza Stöckelová, Lukáš Senft**)

564. Eating as a multi-species-process: human-microbe-relations in permaculture gardening (**Oona Virtanen**)

563. Agential guts (**Riina Hannula**)

Panel 010. ForeSTS, Session 1 (Room N106)

Chair: Nassima Abdelghafour, Liliana Doganova, Evan Fisher & Brice Laurent

475. Imagining and evaluating olive orchards in Ege (**Efe Cengiz, Anne Beaulieu, Carol Garzon-Lopez**)

699. Regrowing degraded forests? Controversies on post-mining rehabilitation and revegetalization technologies in French Guyana (**Nassima Abdelghafour, Liliana Doganova, Brice Laurent**)

268. What is a forest and how should we value its worth? (**Tomas Undurraga**)

326. Forests futures: rethinking natural-cultural conflict zones at the edges of the Wayaland wildlife sanctuary (India) (**Ursula Münster**)

Panel 018. The creation and impact of robot visions as key element of technoscientific futures, Session 1 (Room N114)

Chair: Arne Maibaum & Andreas Bischof

193. Griefbots are here, but... will they change the way we grieve and remember the dead? (**Belén Jiménez, Ignacio Brescó**)

157. Becoming responsive together: anticipating and tackling the promises and risks of robotics in aged care (**Dirk RM Lukkien, Henk Herman Nap, Wouter P.C. Boon, Alexander Peine, Ellen H.M. Moors**)

730. From animal laborans to homo faber: the promises of collaborative robotics for healthcare (**Joaquín Yrivarren, Miquel Domenech**)

649. The construction of the possible: from the radical imaginary to robotics (**Miquel Domènech, Núria Vallès-Peris**)

417. Machines of loving grace? Identifying conflict, confluence and, omissions in socio-ethical imaginaries of robotic care (**Stevienna de Saille, Alice Greenwood, David Cameron**)

Panel 019. Responsible research assessment and STS, Session 1 (Room N118)

Chair: Alexander Rushforth, Marta Sienkiewicz, Jochem Zuiderwijk & Sarah de Rijcke

76. European recommendations on responsible research assessment (**Janne Pölönen, Henriikka Mustajoki**)

745. Tracing the emergence and development of responsibility agendas in contemporary research assessment (**Alex Rushforth**)

802. Key players in the assessment business: Group leaders' understandings of responsible valuation practices (**Vera Ulmer**)

599. Valuing in transition: valuography of Dutch research assessment reform 'Recognition & Rewards' (**Marta Sienkiewicz, Thomas Franssen**)

Panel 029. Infrastructures of welfare, Session 1 (Room N108)

Chair: Karolina Sztandar-Sztanderska

828. Reconfiguring "unemployment" through automated decision-making in employment services (**Doris Allhutter**)

827. The danger of citizen domination through algorithmic decision-making in the public sector (**Jana Misić**)

338. Cui Bono Algorithmus: a critical data studies exploration of public employment service algorithmic profiling (**Aisling Tuite, Patrick Gallagher, Ray Griffin**)

869. Politics, ethics and infrastructures of UK social care data (**Cian O'Donovan, Melanie Smallman, James Wilson**)

927. Transformation and administrative work practices - the evolution of algorithmic profiling in welfare services in Ireland and France (**Antoinette Jordan, Alizée Delpierre, Zeta Dooly, Didier Demazière, Ray Griffin**)

Panel 036. Care-ful datafied futures and technopolitics of care, Session 1 (Room N107)

Chair: Irina Zakharova

1054. Choreography of regional care: assembling different rhythms and movements from a regional coordination centre (**Nienke van Pijkeren, Iris Wallenburg, Roland Bal**)

479. To create better worlds: care for birds living now or care for data serving future? (**Selen Eren, Anne Beaulieu**)

941. Data crisis: an ethnography of technical care practices of/with pandemic data in Spain (**Clara Fernández de Bobadilla**)

742. Data care in education: chances and dark sides (**Juliane Jarke, Zakharova Irina**)

Panel 043. Futures of Artificial Intelligence in medical imaging, Session 1 (Room N113)

Chair: Flora Lysen

405. Socio-technical imaginaries of radiological AI: re-inscribing gender in medical imaging (**Melanie Goisauf, Mónica Cano Abadía**)

512. Computer aided detection (CAD) based on Artificial Intelligence as a solution for ending Tuberculosis: the future of global health? (**Julien Onno, Faiz Ahmad Khan, Pierre-Marie David**)

714. Patient perspectives and robot doctors: proving participation with Artificial Intelligence in health care (**Flora Lysen, Alexander Kloke, Emilie Lake Lake, Pascale Paumen, Sally Wyatt**)

970. Norwegian mens perception of Artificial Intelligence in prostate cancer diagnostics (**Emilie Hybertsen Lysø**)

628. Creating a future with algorithmic partners: a preliminary exploration and proposal for constitutive features for a cooperative and communicative AI (**Arne Sonar, Christian Herzog**)

Panel 046. Geography of research collaborations and communities, Session 1 (Room N110)

Chair: Marion Maisonnobe, Morgan Meyer, Rodrigo Liscovsky & Niki Vermeulen

502. The role of international collaboration networks in model organism science: the case of Zebrafish (**Rodrigo Liscovsky Barrera**)

891. Datafying relations/relationalising data: rethinking collaboration in the context of the CERN open data portal (**Antonia Winkler**)

127. Geopolitics of European laser research collaboration: the case of extreme light infrastructure (**Oguz Ozkan**)

553. What leads researchers to the field? The case of seabirds studies (**Mayline Strouk**)

680. Navigating maps: practicing mapping in search and rescue efforts in Northern Norway (**Virga Popovaite**)

Panel 048. Transdisciplinary research: how to stay with the trouble and enable co-learning?, Session 1 (Room N117)

Chair: Selen Eren, Anne Beaulieu & Nienke van Pijkeren

1028. AI ethics: making transdisciplinary problems (**Tjitske Holtrop, David Moats, Judit Varga**)

795. Kaleidoscopic integration: knowledge inclusion in vaccination guideline development (**Lea Lösch, Willemine Willems, Teun Zuiderent-Jerak**)

855. Dealing with complexities and simplifications in a transdisciplinary research project (**Zofia Boni, Franciszek Chwalczyk**)

744. Engaging non-western methodologies in european transdisciplinary project relating the problems of the climate crisis (**Oliwia Olesiejuk**)

694. The troubles of data multiple: visualising patient data on a neurosurgical ward (**Julia Kurz, Cornelius Schubert**)

Panel 056. Bringing STS up to speed? The digital as practice, Session 1 (Room N111)

Chair: Roos Hopman & Ingmar Lippert

- 870. Digitizing heritage: much more than clicking on a button, producing good copies (**Mylène Tanferri**)
- 140. Data conversations: performing digitization differently (**Kat Jungnickel, Julien McHardy**)
- 992. Advocacy after Formosa: civic data, law and digital archiving (**Tim Schütz**)
- 690. Unstable projections: tracing computer vision in the field of security through time-based diagramming (**Ildikó Plájás, Ruben van de Ven**)

Panel 060. Big Data and the Police: investigating the Dystopia, Session 1 (Room N112)

Chair: Helene O. I. Gundhus & Tayfun Kasapoglu

- 661. Prediction, power and values in digitalized policing in Denmark (**Björn Karlsson**)
- 372. The promising future of big data in crime predictions: exploring techno-optimism and its social consequences (**Laura Neiva**)
- 829. The datification and platformization of policing in Germany (**Simon Egbert**)
- 1030. Predicting crime: standardization, discretion and digital tools (**Helene O. I. Gundhus**)

Panel 064. Producing and disseminating scientific knowledge at the age of Open Science, Session 1 (Room N115)

Chair: Didier Torny & Quentin Dufour

- 172. Crowdfunding for scientific research as public engagement? (**Chris Hesselbein**)
- 637. Open science partnerships contribution to value creation and knowledge dissemination (**Irene Ramos-Vielba, Maria-Theresa Norn**)
- 290. Making science public by learned societies (**Elina Late, Janne Pölönen, Elina Pylvänäinen**)
- 943. Opening up as a work: a tentative comparison between opening up science to society and open access to research articles based on professional trajectories (**Ottolini Lucile, Noël Marianne**)
- 507. A fair dilemma - engaging values in times of open data (**Rasmus Kvaal Wardemann**)

Panel 066. Embodying the technoscientific future of astrophysics and planetary science, Session 1 (Room N116)

Chair: Jarita Holbrook & Duane Hamacher

- 295. From myth to science: reconceptualising the role and nature of indigenous astronomy (**Duane Hamacher**)
- 788. Chasing the stars naked eye in the southern Benin Republic. The tofin fishermen daily navigation, knowledge production, current adaptation and innovation studies (**Aimé Dafon Segla, Jean-Eudes Missikey**)
- 167. Co-producing Eden: embedding the local community at the heart of a research partnership (**Andy Yuille**)
- 98. Astromoves: navigating astrophysics careers during the Covid pandemic (**Jarita Holbrook**)

Panel 083. Refracting the good in and through environmental markets, Session 1 (Room N105)

Chair: Kamilla Karhunmaa, Kristin Asdal & Trine Pallesen

129. "Waste is money": Clean tech start-ups and the practical work of turning environmental concerns into commercial objects (**Tomas Ariztia**)

835. A good industry modelling good techniques: transforming practices and defining environmental quality in the roadworks market (**Roman Solé-Pomies**)

422. How is impact good? Entangling the ""Bio"" and finance with an environmental impact bond (**Olli Tikkainen**)

974. A new market for finance: how finance is becoming the new environmental actor (**Kristin Asdal, Stine Engen**)

Panel 087. Energy futures from the past, Session 1 (Room N102)

Chair: Martin Denoun, Maël Goumri, Claire Le Renard & Ange Pottin

444. Fossilized futures: uncovering the historical materialities and imaginaries of oil and gas in the UK (**Naima Kraushaar-Friesen, Magdalena Kuchler, Gavin Bridge**)

647. Flexible qualifications of the material objects of energy futures (**Claire Le Renard**)

841. From limits to growth to greenhouse gas emission pathways: representing the future technological change in global models (**Béatrice Cointe, Christophe Cassen**)

972. Energy transition in the wind? Assessing the French energy policy with the Saint Brieuc offshore wind turbine project (**Goumri Maël**)

Wednesday 6th July 15:45-17:15

Panel 003. Conflict, contradiction, and crisis in data-intensive health innovation, Session 2 (Room N109)

Chair: Jay Shaw, Joseph Donia, Clémence Pinel & Ine van Hoyweghen

983. Is health data a public good? Extending political economy critique beyond data as commodity (**Sarah Cheung**)

896. Data ethics in a health emergency (**Melanie Smallman, Cian O'Donovan, James Wilson**)

276. Media coverage of big data exploitations in public healthcare: the NHS care data controversy (**Paraskevas Vezyridis**)

814. Risk, technology, social reproduction: accounting for algorithmic risk calculation in population health (**Rachel Rowe**)

Panel 008. Microbes - Thinking past dualisms, Session 2 (Room N101)

Chair: Salla Sariola, Jose Cañada & Mikko Jauho

131. Microbes, mosquitoes, and More-Than-Human Segurança: the release of bacterium-infected mosquitoes in Rio de Janeiro (Brazil) (**Luísa Reis-Castro**)

703. Immunity and more-than-human communities: notes on primate-mosquito-virus intertwining in Sergipe (Brazil) (**Tullio da Silva Maia**)

327. Interspecies and microbiotic relations in biomedical value and knowledge production (**Alberto Morales**)

764. With, against, alongside bacteria: situating human-bacteria relations through hospital hygiene management (**Antonia Modelhart**)

705. Reconstructing gender-microbes relationship: women, antibiotics and antibiotic resistances in research and industry (**María Jesús Santesmasses, Isabel M. Gómez Rodríguez**)

Panel 010. ForeSTS, Session 2 (Room N106)

Chair: Nassima Abdelghafour, Liliana Doganova, Evan Fisher & Brice Laurent

1032. Forests as techno-natures: translating digital environmental subjects (**Robert Stock**)

1002. De-politizing forests technocratic visions and normativity in forests biodiversity research (**Manuel John**)

804. The changing timescapes of old European forests (**Evan Fisher, Ruppert Vimal, Vanessa Py-Saragaglia, Laurent Larrieu**)

953. Timely forest (**Marie Widengård**)

860. (Wild)fire: integrating local knowledge and cultural imaginaries to building resilience towards forest fires in Spain (**Elvira Santiago-Gómez, Vincenzo Pavone, Carmen Rodríguez-Rodríguez**)

Panel 018. The creation and impact of robot visions as key element of technoscientific futures, Session 2 (Room N114)

Chair: Arne Maibaum & Andreas Bischof

465. The structure and impact of narratives and scenarios in robot development: a comparison of care robotics and industrial robots (**Tim Clausnitzer, Martin Meister, Kevin Wiggert**)
60. Wizard of Oz methods affects the imaginary of robots of today and the future (**Sofia Thunberg**)
678. Re-envisioning the racial robot as non-anthropomorphic through a transdisciplinary lens: the robot violet (**Pat Treusch, Conor Mc Ginn**)
798. Techno-sexual relationships and techno-scientific futures of cyborg love (**Melike Sahinol**)

Panel 019. Responsible research assessment and STS, Session 2 (Room N118)

Chair: Alexander Rushforth, Marta Sienkiewicz, Jochem Zuiderwijk & Sarah de Rijcke.

693. Open Science as a means of responsibility in the research system: opportunities and challenges (**Clare Shelly-Egan**)
581. How to sort journals out? A study on proliferation of scientific journal lists in China (**Jing Wang, Willem Halfman**)
1037. Responsible Research towards a Zero Pesticides Future - From Research Expectations to Responsibilisation in Real-Time (**Renée van Dis**)

Panel 029. Infrastructures of welfare, Session 2 (Room N108)

Chair: Doris Allhutter

954. Public perceptions of the automation of welfare (**Itzelle Medina Perea**)
881. Towards "ideal PES" from the view of grassroot organisations (**Sonja Mei Wang, Kristen Scott, Bettina Berendt, Milagros Miceli, Margarita Artemenko**)
880. Dreaming up the cyborg-citizen-consumer (**Santeri Räisänen**)
110. Data dialogues in social welfare (**Margot Kersing, Liesbet van Zoonen, Lieke Oldenhof, Kim Putters**)
368. When a human says "no" to a computer: frontline oversight of the profiling algorithm in public employment services in Poland (**Karolina Sztandar-Sztanderska, Marianna Zieleńska**)

Panel 036. Care-ful datafied futures and technopolitics of care, Session 2 (Room N107)

Chair: Irina Zakharova

64. The social life of biomedical data: capturing, obscuring, and envisioning care in the digital safety-net (**Taylor Cruz**)
907. Sensing and caring with data: "getting a feel" for ICU patients through data (**Carsten Horn, Timo Bühler, Ulrike Felt, Michaela Scheriau**)
978. Careful practices or simulations of care? (**Ernst Waltraud**)
18. Digital health governance: a sociomaterial framework (**Benjamin Marent, Flis Henwood**)
812. Potentials and precarities with uncertified and certified edevices in epilepsy care (**Frederike Fahse, Henriette Langstrup**)

Panel 043. Futures of Artificial Intelligence in medical imaging, Session 2 (Room N113)

Chair: Mirjam Pot

383. Medical imaging in radiology and dermatology: how scientists perceive social implications of imaging machine learning healthcare applications (**Theresa Willem, Alena Buyx**)

278. Working with AI? Jurisdictional control and socio-professional issues in radiology (**Léo Mignot**)

945. Artificial Intelligence in prostate cancer diagnostics: transdisciplinary collaboration in a Norwegian biotechnology project (**Maria Bårdsen Hesjedal**)

624. Untagling views on automation in breast cancer screening: breast radiologists perspectives on the everyday use of AI in mammography screening (**Charlotte Högberg, Stefan Larsson, Kristina Lång**)

381. AI-based clinical decision support systems: two sociological case studies (**Renate Baumgartner, Kevin Wiggert**)

Panel 046. Geography of research collaborations and communities, Session 2 (Room N110)

Chair: Marion Maisonneuve, Morgan Meyer, Rodrigo Liscovsky & Niki Vermeulen

639. The Roscoff Marine biology station: a driving research site in the coordination of multi-scale networks (**Marion Maisonneuve, Josselin Tallec, Bastien Bernela**)

778. Algal cultures: choreographies of Scottish seaweed (**Niki Vermeulen, Rob Smith**)

620. Epigenetics in mental health research: emerging cultures of collaboration and the politics of demarcation (**Georgia Samaras, Ruth Müller**)

50. Disentangling the local context imagined communities and research integrity policies (**Serge P. J. M. Horbach, Mads P. Sørensen**)

688. Always somewhere, but not just anywhere: on the politics of spatial approaches in ST(I)S (**Jorrit Smit**)

Panel 048. Transdisciplinary research: how to stay with the trouble and enable co-learning?, Session 2 (Room N117)

Chair: Selen Eren, Anne Beaulieu & Nienke van Pijkeren

90. Putting impact orientation into practice: lessons from a case-study based development of a tool to reflect the societal effects of transdisciplinary research (**Josefa Kny, Martina Schäfer**)

557. Interactive dexterity competences for transdisciplinary research (**Silvio Suckow**)

1026. Transformation through transdisciplinary about what happens when you try and what's trying about its happening (**Callum Gunn, Kris Kok, Barbara Regeer, Jacqueline Broerse, Pim Klaassen**)

274. Collaborative experiments between data science and STS: on mapping the contingencies of automated misinformation detection (**Andrés Domínguez Hernández, Richard Owen**)

856. What kind of transdisciplinarity is co-creation? The case of EU energy demand research programmes (**William Throndsen, Antti Silvast, Marianne Ryghaug**)

Panel 056. Bringing STS up to speed? The digital as practice, Session 2 (Room N111)

Chair: Roos Hopman & Ingmar Lippert

124. Trials of patience - on the endlessness of digitalization as a social practice (**Anne Jordi Koppenburger**)

142. Data flights in the drive for the digital health (**Lucilla Barchetta**)

843. Conceptualizing Life Through Artificial Intelligence. Which Lives? Whose Intelligence? (**Alicja Ostrowska**)

757. "Geological disorientations": the unexpected effects of digital technologies in geological fieldwork (**Martín Fonck**)

Panel 065. New technologies and public debate: challenges and opportunities, Session 1 (Room N112)

Chair: Mosè Cometta

171. The substitution of fuel dependent vehicles for electric vehicles: applying lessons from the integration of the tablet computer into practices (**Carolynne Lord**)

618. Climate fixes: a techno-market framework underlies public controversy and simulates alternatives (**Les Levidow**)

727. Citizen's right to contribute to data: the case of Odourcollect and the International Odour Observatory (**Carla Perucca Iannitelli, Johana Burbano, Miguel Hernandez, Rosa Arias**)

722. Quadruple helix engagement in odour pollution: lessons learned from the D-NOSES Project (**Rosa Arias, Miguel Hernandez, Johana Burbano, Carla Perucca Iannitelli**)

Panel 083. Refracting the good in and through environmental markets, Session 2 (Room 105)

Chair: Kamilla Karhunmaa, Kristin Asdal & Trine Pallesen

793. How do knots get tied? - ecological goods in environmental markets, the case of aquaponics in Belgium (**Sarah Delvaux**)

836. Making good promises? Scientific cultivation of seaweed (**Marie Stilling**)

454. Food waste in "the good economy": an ethnographic study of the design of a novel food waste app (**Aline Stehrenberger, Tanja Schneider**)

Panel 087. Energy futures from the past (Room N102)

Chair: Martin Denoun, Maël Goumri, Claire Le Renard & Ange Pottin

973. Increasing the stock to maintain the flow: the implementation of a wait-and-see infrastructure by the French nuclear sector to face the future (**Martin Denoun**)

317. Situated energy transitions: confronting the local past - the Prats-de-Mollo case study (**Baptiste Soubra, Bertrand Bocquet, Rieul Techer, Mikhaël Pommier, Nicolas Loubet**)

307. Opening the black box of renewability: the Greek wind energy case (**Zoi Christina Siamanta, Panagiotis Kazantzias, Giorgos Velegrakis, Aristotle Tympas**)

164. From industrial excess to infrastructural convergence: district heating and Facebook data storage in Odense (Denmark) (**Caroline Anna Salling**)

483. Materialising energy futures through the lens of Kvanejfeld (**Abraham Florian**)

Wednesday 6th July
17:30-19:00

Plenary 1

Auditorio Norte

**Revisiting "Europe's refugee crisis" in times of wars
and pandemics:
If we aim for a collective opportunity of future, what
kind of STS do we need?**

Participants

Annalisa Pelizza

Amade M'Charek

Chair

Carmen Romero Bachiller

Thursday 7th July 9:00-10:30

Panel 002. Confluences of genetics and digital data in security settings, Session 1 (Room N109)

Chair: Matthias Wienroth

287. Contrasting sociotechnical imaginaries of genetics and policing: perspectives of police, privacy advocates, and genome project participants (**Tayfun Kasapoglu, Anu Masso**)

148. The rise of DNA as biometric data in Norway: creating or curing future crises? (**Maja Vestad**)

227. Interfaces of forensic, medical, and (non)commercial exploitation of genomic potential: epistemological and epistemic dimensions (**Matthias Wienroth, Rafaela Granja**)

884. Digitization of pathology departments in Denmark: exploring the changing laboratory and diagnostic practices (**Olsi Kusta**)

Panel 008. Microbes - thinking past dualisms, Session 3 (Room N101)

Chair: Jose A. Cañada & Ana Delgado

552. Caring with haunted marine microbes (**Astrid Schrader**)

174. Life after pollution: human-microbe sociality in post-polluted remediation environments (**Alicia Ng**)

928. Working with fungi, making with microorganisms: interspecific collaboration and creativity (**Juliette Salme**)

Panel 013. Societal acceptance of new and emerging technologies: critical engagements in energy transition and climate change mitigation, Session 1 (Room N106)

Chair: Ana Delicado

837. Mainstreaming with STS? - Turning our orientation or turning our backs to dominant technologies in sustainable energy (**Sampsa Hyysalo**)

366. Acceptance of CCUs technologies as a challenge in the energy transition: findings from Spain and France (**Elisabeth Dütschke, Vicki Duscha, Christian Oltra, Ana Prades, Sabine Preuß**)

166. Does monitoring matter? Understanding the perception and societal requirements for carbon capture and storage (CCS) in Germany, Greece, Norway and the Netherlands (**Danny Otto, Marit Sprenkeling, Ruben Peuchen, Åsta Nordø, Dimitris Mendrinis**)

491. Towards open engineering: involving public(s) in transitional infrastructure design (**Matjaz Vidmar**)

823. Social acceptance of automated vehicles and its relevance for climate-friendly mobility futures (**Jens Schippl, Torsten Fleischer, Maike Puhe**)

Panel 018. The creation and impact of robot visions as key element of technoscientific futures, Session 3 (Room N114)

Chair: Arne Maibaum & Andreas Bischof

- 675. "Here comes an electronic artist!" – Communicating discourses surrounding nonhumans involved in a creative process (**Bojana Romic**)
- 932. Visualization practices for interdisciplinary collaborations – the example of ReThiCare (**Philipp Graf**)
- 1023. Bodies and imaginaries in robotics research practices (**Ilenia Picardi, Maria Carmela Agodi**)
- 853. Techno-scientific visions in robotic competitions (**Arne Maibaum**)

Panel 020. Situating ethics: how normativity shapeshifts as technoscience transmogrifies, Session 1 (Room N118)

Chair: Madisson Whitman

- 522. The ethicification of ICT governance (**Niels van Dijk**)
- 380. Travelling with RRI to the global South: mobilising symmetry (**Nina Frahm, Mamidipudi Annapurna**)
- 805. Constituting the ethics of planetary salvation (**Tess Doezema**)
- 1004. Infrastructural consent: imaginaries of informedness in US abortion politics (**Elisabeth Dietz**)
- 741. On interpretive shifts of technically modified bodies (**Antonia Garbe**)

Panel 025. Does science perpetuate crises? How research fields contribute to change or continuities in tackling socio-ecological challenges, Session 1 (Room N110)

Chair: Susanne Koch & Sarah de Rijcke

- 674. Scope over depth: the integration specialist as a scientific accelerator for tackling delta resilience (**Nikki Brand**)
- 386. Resistant knowledges and environmental health: knowledge production, historical change and policy in the protection of P. Oceanica (**Jose A. Cañada**)
- 362. Rough seas - Marine scientists in the midst of ecological challenges (**Sarah Schönbauer**)
- 982. Deep matters: how deep sea research values (**Sarah Rose Bieszczad**)
- 530. Too orthodox to be transformative? An examination of forest policy research and its role in tackling the deforestation crisis (**Susanne Koch, Camilla Tetley**)

Panel 028. Techno-politics of interoperability, Session 1 (Room N108)

Chair: Jan-Hendrik Passoth

- 710. A folded ecology of interoperability work: perspectives from socio-technical system design in translational science (**Andrew Hoffman**)
- 39. Techno-politics of the interoperability of archaeological data (work) (**Isto Huvila**)
- 375. All the creatures great and small: fragmented animal biobanking in post-EU Great Britain (**Veit Braun**)
- 873. Brutalism meets socio-ecological transitions: the case of train infrastructures (**Stefan Laser**)

Panel 034. Pharmaceutical transformations: advanced therapies, personalized medicine and the remaking of healthcare, Session 1 (Room N112)

Chair: Sarah Wadmann

- 105. An insight into gene and cell therapy in China from personalised immunotherapy for cancer (**Isabel Briz Hernández**)
- 399. Private, private, public? Paving a democratic route to protect data donors and the collective good in genomics (**Ilaria Galasso, Susi Geiger**)
- 852. Infrastructures of valuation: the social shaping of innovation trajectories in tissue based industries (**Michael Morrison**)
- 202. Patient engagement in drug development: configuring a new resource for generating innovation (**Olga Zvonareva**)
- 1044. Patient perspectives on biomarker based diagnostics and therapeutics in psychiatry (**Flora Gossink, Lotte Krabbenborg**)
- 786. The uncanny playground: science vs. Nature (**Sara Casartelli**)

Panel 036. Care-ful datafied futures and technopolitics of care, Session 3 (Room N107)

Chair: Irina Zakharova

- 332. Worlding an app: a study of design processes and construction in the global South (**Hannah Acutt**)
- 138. Inclination and the autonomizing structure of care (**Birte de Gruisbourne**)
- 785. Researching and doing devices activism - reflections from a patient-initiated collaboration on do-it-yourself artificial pancreas system-research (**Henriette Langstrup, Bryan Cleal, Shane O'Donnell**)
- 139. Careful (re)visions: tinkering with academic practices for engaged research in datafied education (**Jade Vu Henry**)

Panel 043. Futures of Artificial Intelligence in medical imaging, Session 3 (Room N113)

Chair: Jojanneke Drogts

- 1021. Timing the hype; domesticating AI (**Robin Williams, Hajar Mozaffar, Kathrin Cresswell**)
- 589. The microbiological eye: ethics and ethnoscience of AI-based software developers for laboratory image analysis (**Joaquin Yrivarren, Miquel Doménech**)
- 296. Beyond images: a case study of how lesions are automated recognised (**Xiao Yang**)
- 185. The promise makers: the role of vendors in realising Artificial Intelligence in radiology practices (**Mari Serine Kannelønning**)

Panel 059. Artificial intelligence controversies, Session 1 (Room N111)

Chair: Torben Elgaard Jensen

- 432. Public imaginaries of Artificial Intelligence: conceptualizing public databases about AI (**Saba Rebecca Brause, Christian Katzenbach, Vanessa Richter, Yishu Mao, Mike S. Schäfer, Jing Zeng**)
- 831. Artificiality in AI controversies (**Anders Munk**)
- 948. The most important and possibly overlooked: critical exercises in AI controversy detection (**Noortje Marres, Chiara Poletti, Michael Castelle**)

787. Manufacturing hype: AI representations in Canadian media (**Guillaume Dandurand, Jonathan Roberge, Marek Blottière, Nick Gertler, Meaghan Wester**)

392. Nine wicked(ish) problems of regulating autonomous systems (**Peter Winter, John Downer**)

Panel 067. Technoscientific political futures through the lenses of classical studies,
Session 1 (Room N116)

Chair: Ignacio Marcio Cid & Mosè Cometta

163. The present is a Knife's edge - St. Augustine's philosophical presentism and the politics of expectation (**Tobias Olofsson**)

379. "Back to (for) the future: Roman philosophy, STS and AI" (**Talya Deibel, Eric Deibel**)

249. If Prometheus were a scholar... understanding today's STS practices while rereading yesterday's ancient myths (**Lise Moawad**)

937. Hermeneutic STS and historical comparisons (**Christopher Coenen**)

Panel 074. Urban speculations, Session 1 (Room N102)

Chair: Ilia Antenucci & Paula Bialski

44. Invisible smart cities: reading Calvino through algorithmic eyes (**Regev Nathansohn**)

1012. Decoding infrastructure spaces: logistics sites and new urbanities (**Leonardo Ramondetti, Agostino Strina**)

815. A relational critique of autonomous systems (**Luke Moffat, Maria Alejandra Luján Escalante**)

720. The datafied city: a socio-technical inquiry into digital twins for urban governance (**Hadrien Macq**)

341. Urban digital infrastructuring and the (re)production of privilege (**Fenna Imara Hoefsloot**)

264. Amazons urban speculations (**Ilia Antenucci, Armin Beverungen, Maja-Lee Voigt**)

Panel 077. From acceleration to tardiness; qualitative temporalities in the taming of visions in innovation processes, Session 1 (Room N117)

Chair: Alexandra Hausstein, Andreas Lösch & Ulrich Ufer

546. Urban chronotopes of innovation (**Ulrich Ufer, Alexandra Hausstein**)

145. Hail Mary: the impact of the time pressure and urgency on innovating towards possible new worlds (**Filippo Reale**)

510. Critical narratives and metrics as the means of negotiating radical visions of socio-technical change: the cases of electric mobility transition in California and Poland (**Aleksandra Lis**)

761. Mobility futures and the biography of responsible technologies (**Gisle Solbu, Marianne Ryghaug, Bård Torvetjønn Haugland & Tomas Moe Skjølvold**)

926. Pushing prevention in times of crisis (**Els Roding**)

Panel 085. Unseen participation? When the uninvited shape matters of collective concern, Session 1 (Room N115)

Chair: Olga Zvonareva

951. Analyzing bottom-up citizen protest against biodigesters from a citizenship perspective (**Lotte Krabbenborg, Kyra Ruiten**)

81. Patterns of (in)visible participation: the case of patient organizations in Russia (**Olga Temina**)

153. Producing pure science: uninvited lay experts shaping refused knowledge about vaccination in Italy (**Barbara Morsello, Federico Neresini**)

114. From illegal to essential participation: the case of ethical hacking (**Anne Marte Gardenier**)

Thursday 7th July 11:00-12:30

Panel 004. The futures in and of genomics, Session 1 (Room N109)

Chair: Violeta Argudo-Portal & Mauro Turrini

429. Ambivalence in the practice of advanced genetic healthcare (**Janneke M.L. Kuipe, Ine Van Hoyweghen**)

1042. Addressing matters of care in diverse genomic testing project: the case of preconception and newborn screening in Belgium (**Shana Reithof**)

49. Slowing down decay: biological clocks in personalized medicine (**Clémence Pinel, Sara Green, Mette Svendsen**)

199. Does the future of genomics lie beyond its experimental systems? Epigenetics as case in point (**Luca Chiapperino**)

567. From individual to the genome and back: the genomic identity multiple (**Kaya Akyüz**)

Panel 013. Societal acceptance of new and emerging technologies: critical engagements in energy transition and climate change mitigation, Session 2 (Room N106)

Chair: Ana Prades

568. What is carbon capture and storage and how does it work?: Google and Wikipedia as mediating information infrastructures in emerging climate technologies (**Jussara Rowland, Ana Prades, Sergi Lopez, Raquel Bertoldo, Ataberk Basci**)

879. Media presentations of geological carbon storage: a comparative analysis of the three countries (**Ana Prades, Jussara Rowland, Sergi Lopez, Marc Poumadère**)

455. Grid literacy: how to gauge and rewire stakeholder discourse (**Daniel Wuebben**)

209. Societal acceptance through technological innovation? Exploring the socio-technical boundary conditions of spent nuclear fuel partitioning and transmutation (**Robbe Geysmans, Marika Silvikko de Villafranca**)

1010. Techno-scientific promises and residents' perceptions on small modular reactors (**Matti Kojo, Markku Lehtonen, Tapio Litmanen, Niina Kiviluoma**)

Panel 017. Microbes II: The political futures of microbial life, Session 1 (Room N101)

Chair: Pablo Santoro & Carmen Romero Bachiller

1008. The microbiomisation of class: re-embodying buen vivir, othering microbiopolitics (**Andrea Núñez Casal**)

704. Thinking like a Holobiont: microbial soil recuperation among planetary health workers in South India (**Daniel Münster**)

977. Green gold translational science on living cell factories and the hope of engineering metabolisms to enable a sustainable future (**Vibeke Pihl**)

173. Spreading: how to conceptualise microbial circulations (**Ana Delgado**)

Panel 020. Situating ethics: how normativity shapeshifts as technoscience transmogrifies, Session 2 (Room N118)

Chair: Tess Doezema

696. Facial recognition at the farm: surveillance and ethics across species (**Madisson Whitman**)

324. De-escalation as a traveling technology: the ethics of partial abstractions (**Maja Sisnowski**)

427. Developing software tools for research integrity: traveling values between normative frameworks and technological properties (**Felicita Hesselmann, Rocio Fonseca**)

826. The configuration of housing professionals and the mobilization of normative and moral discourses in the service of active living (**Rachel Hale, Karen Henwood**)

942. The ethics and politics of urban technological experiment in the US (**Nicole West Bassoff**)

Panel 028. Techno-politics of interoperability, Session 2 (Room N108)

Chair: Silvan Pollozek

119. Interoperability as multi-scalar sociotechnology (**Annalisa Pelizza**)

1056. Human identification infrastructuring (HII) at the refugee registration facility in Germany (**Andrea Berger**)

604. Steps towards a digital immigration system (**James Besse**)

121. Following the border: interoperability & biometric mobility in the anglosphere (**James Duncan**)

Panel 034. Pharmaceutical transformations: advanced therapies, personalized medicine and the remaking of healthcare, Session 2 (Room N112)

Chair: Paul Martin & Laura Emdal Navne

509. Politics and practices of «pharmaceutical exception» in Quebec (**Pierre-Marie David, Kayley Laura Lata, Jean-Christophe Bélisle-Pipon, Marie-Eve Bouthillier**)

147. Cooling the patient out: distributed decision-making and heated debates over access to advanced therapies (**Sarah Wadmann, Amalie Martinus Hauge**)

1018. Does the growth of real world evidence represent an episteme transition in biomedical knowledge production? (**Paul Martin**)

233. MTOR, NMN, Metmorfin and fasting: techno-scientific imaginaries of longevity (**Ilke Turkmendag**)

914. Stimulant psychotropic drug use in adults: the liquid boundaries between treatment and cognitive enhancement (**Lauren Predebon**)

733. Designing functional bodies: artificial molecular machines and the future of biomedical innovation (**Renan Gonçalves Leonel da Silva, Alessandro Blasimme**)

Panel 037. Care as a high-tension zone: Investigating the ambivalences of care in the midst of the pandemic, Session 1 (Room N107)

Chair: Hannah Grün & Lisa Wiedemann

195. HPV vaccination and care-policy relations: tensions between an "inclusive" policy and mundane enactments of care in school health (**Lisa Lindén, Ylva Odenbring**)

162. Framing the pandemic: multiplying "crisis" in Dutch healthcare during the emerging Covid-19 pandemic (**Bert de Graaff, Sabrina Rahmawan-Huizenga, Hester van de Bovenkamp, Roland Bal**)

78. Prolonging life or attending to death? Nephrology clinical practices as a high-tension-zone (**Anna Mann**)

906. How is contact tracing like culling? - An ethnographic account of high-tension zones in one public health office during the Covid-19 pandemic (**Kevin Hall**)

543. "Tracing from below": situated care practices in a Covid digital strategy (**Camila Hidalgo**)

Panel 038. Making media futures: from meanings to imaginations and expectations, Session 1 (Room N114)

Chair: Ana María Guzmán Olmos

630. Futures as linguistically composed expected presents (**Antonia Garbe, Marcel Woznica**)

656. Lively media technologies: ethics, monsters and new imaginaries for the future (**Line Henriksen, Bo Reimer, Bojana Romic**)

923. Concepts of Gilbert Simondon applied to sociotechnical and scientific imaginaries (**Jacqueline Bellon**)

Panel 040. Hacking everything: the cultures and politics of hackers and software workers (special format) (Room N102)

Session 1: Hacktivists, Hacking Spaces and Places

1025. Hacktivist (web) archiving: a case study of archive team and activist archiving (**Jessica Ogden**)

260. CTRL + F_eminist futures: Hacking algorithmic architectures of cities to come (**Maja-Lee Voigt**)

521. Hack the house!: Reconfiguring domesticity in co-living spaces (**Cansu Güner**)

Panel 044. Meaningful human control? Sociotechnical imaginations of AI, drone swarms and the future of warfare, Session 1 (Room N113)

Chair: Jutta Weber

520. The origin of all fears: from imagined air threats to world wars realities in early French science-fiction (**Zacharie Boubli**)

471. "Cowboy in the sky": The firebee on the settler colonial frontier (**Ivan Chaar Lopez**)

316. Drone swarming and the multi-sensorial battlefield (**Andreas Immanuel Graae**)

285. Out of "human control": re-thinking AI ethics through dystopia (**Katherine Chandler**)

Panel 049. Theorising interfaces / Interface theories, Session 1 (Room N110)

Chair: Roser Pujadas

323. Connecting bodies and urban data. All we do is interfacing? (**Johanna Fischer, Annika Kühn**)

420. Interfacing relations: bodies, machines, and homes in experimental neuroprosthetics (**Alexandra Middleton**)

269. On lungs and tubes. A theory of aerial interfaces (**Dominik Maeder**)

526. Interfacing knowledge about formalisation, design methods and other relations (**Benjamin Doubali**)
542. Reconfiguring the affective interface: a feminist approach (**Pat Treusch**)
909. Interfacing behaviour in digital economies (**Elif Buse Doyuran**)

Panel 059. Artificial intelligence controversies, Session 2 (Room N111)

Chair: Anders Kristian Munk & Noortje Marres

406. You cannot make the algorithm do something it does not want to do: exploring the agency and power of AI systems in practice (**Anna Schjøtt Hansen, Andreas Birkbak**)
286. Digitalizing the Danes: tracing the history of the Danish e-identification system (**Torben Elgaard Jensen**)
168. Analysing critiques and controversies of AI and their participatory potential (**Mercedes Bunz**)
204. Tests, protests and contests: how humans and AI materialised algorithm trouble in Twitter's image-cropping controversy (**Tommy Shane**)

Panel 070. Has crisis run out of steam? examining the affective, temporal and aesthetics features of crisis talk, Session 1 (Room N116)

Chair: Alexandra Ciocanel

449. Making sense of a global crisis: scientists as moderate experts and the boundaries between conspiratorial and critical thinking (**Roosa Rytönen**)
796. Covid-19 as a slow disaster: an STS perspective as an intervention in the management of the pandemic (**Israel Rodríguez-Giralt**)
506. The affects of a crisis: optimism against pessimism in climate change debates (**Alexandra Ciocanel**)
657. Crisis talk at the border of science and policy: a reading of research policy and socio-environmental discourses (**Rita Giuffridi, Christian Colella, Alice Benessia, Laura Colucci-Gray, Alba L'Astorina**)

Panel 080. Assetization: governing techno-economic futures, Session 1 (Room N117)

Chair: Kean Birch

472. Value engineering: (in)commensurability in practices of ecological and economic valuation in sustainable development (**Christo Sims**)
177. Assetizing blood: anticipated techno-economic futures that shift biomedicine from gift, to commodity, to rent (**Neil Stephens**)
986. Assetization of social relations in the ecosystem governance mode (**Jonna Antonia Josties**)
194. Temporal tensions of dynamic capabilities: the integration of external resources and the implications of assetization for non-profit hybrid organizations (**Jane Bjørn Vedel**)
917. Assetization in science - governing research through bibliometric "datassets" (**Anne K. Krüger**)
412. "Innovation in technology" instead of "innovation in thinking"? Assetization in Academia and its epistemic consequences (**Maximilian Fochler, Ruth Falkenberg**)

Panel 085. Unseen participation? When the uninvited shape matters of collective concern, Session 2 (Room N115)

Chair: Olga Zvonareva

387. Unrecognised participation at the margins of the city: an empirical study of resilient neighbourhood-making (**Sabrina Rahmawan-Huizenga, Lieke Oldenhof, Hester van de Bovenkamp, Roland Bal**)

607. Creating affective environments in city-making practices: an ode to joy as boundary spanning skill (**Beitske Boonstra**)

212. Infrastructuring (un)invited participation in urban planning self-organised collaborative housing between collaboration and controversy (**Andrea Schikowitz**)

Thursday 7th July 14:00-15:30

Panel 007. Ecological valuing when the stakes are high: on the practicalities of nature-cultural flourishing, Session 1 (Room N101)

Chair: Mandy de Wilde

59. Corals as service providers: ecosystem services and value relations between coral scientists and corals (**Elis Jones**)

840. Beavers and humans as boundary builders and breakers: a multispecies ethnography along the Southern Dommel river Basin (**Inge Dekker**)

709. Resilience, good natures, and good humans: reshaping ecological value in an age of climate calamity (**Irene van Oorschot**)

634. Crafting pouches, crafting relations: attending to tensions in knitting for wildlife conservation (**Stephanie Lavau**)

Panel 021. Closing the loop of empirical ethics: away from normativity and critique and back again, Session 1 (Room N118)

Chair: Tamar Sharon

473. A strategy of comparative re-imagination as justification for interventions in empirical ethics (**Ville Aula**)

732. To take a stand between the "goods" and "bads": a proposal for a prescriptive empirical philosophy (**Lotje Siffels, Andrew Hoffman**)

1017. Empirical ethics between the demand to be prescriptive and the fears of expertocracy (**Martina Baumann**)

419. The future of normativity in the technological development? Embedded ethics and social science (**Daniel Tigard, Maximilian Braun, Svenja Breuer, Ruth Müller**)

Panel 028. Techno-politics of interoperability, Session 3 (Room N108)

Chair: Jan-Hendrik Passoth

408. Developing the interoperable border: imaginaries of interoperability in EU border security R&D (**Clemens Binder**)

1031. The technopolitics of expertise: shaping an interoperable border regime (**Chiara Loschi, Paul Trauttmansdorff**)

758. Governing European cloud infrastructures (**Andreas Baur**)

967. The politics of Eidas: identification and interoperability in the European Union (**Baki Cakici**)

664. Formatting European security integration through database interoperability (**Rocco Bellanova, Georgios Glouftsios**)

Panel 037. Care as a high-tension zone: Investigating the ambivalences of care in the midst of the pandemic, Session 2 (Room N107)

Chair: Hannah Grün & Lisa Wiedemann

893. Care as resistance: navigating tensions and trade-offs in care during times of infectious sociality (**Anna Dowrick, Kaveri Qureshi, Tanvi Rai**)

265. "You are at odds with your own values": Experiences of caring work in universities during the Covid-19 pandemic (**Martin Oliver, Eileen Kennedy, Allison Littlejohn**)

1022. What to care for? Tensions between care and carers amidst the Covid-19 pandemic (**Sebastian Rojas-Navarro, Samanta Alarcón-Arcos**)

266. Caring with and across distance(s): methodological reflections on researching care practices during the Covid-19 pandemic (**Sibille Merz, Franziska König, Joshua Paul, Andreas Bergholz, Christine Holmberg**)

Panel 038. Making media futures: from meanings to imaginations and expectations, Session 2 (Room N114)

Chair: Phillip H. Roth

141. AI and gender imaginaries: reddit discourses on training the ideal AI bot girlfriend (**Iliana Depounti**)

735. The imaginaries of merging minds with machines (**Wenzel Mehnert**)

519. An archaeology of the future: imagining airports before airplanes in early French science-fiction (**Zacharie Boubli**)

571. Why do they all have four wheels and look like eggs? Technology expectations effect on path creation (**Marie Bemle, Albin Engholmr**)

560. Indigenous and national technologies: sociotechnical imaginaries in Turkey and the production of techno-futures (**Merve Birdal, Zinaida Vasilyeva**)

Panel 044. Meaningful human control? Sociotechnical imaginations of AI, drone swarms and the future of warfare, Session 2 (Room N113)

Chair: Christoph Ernst

971. Drone warfare, data analytics and the rationality of AI defense intellectuals (**Jutta Weber**)

116. "Autonomous weapons" as a geopolitical signifier: analysing AI imaginaries in Chinese and US military policies (**Thomas Christian Bächle, Jascha Bareis**)

38. "This is not what I expected" Sociotechnical imaginaries and disillusionment, an exploration of moral experience and materiality in a military innovation context (**Sofie van der Maarel**)

112. Imagining human control over robots: how future visions shape the interplay of autonomous weapons systems and arms control (**Anna-Katharina Ferl**)

321. Taming drone imaginaries: from DIY experimentation to imaginaries of professional drone uses (**Hendrik Bender, Marcus Burkhardt**)

Panel 045. Practices and politics of digitalization: work and organization in STS, Session 1 (Room N112)

Chair: Attila Bruni

169. When innovation meets apathy: transforming work through the platform business model (**Konstantinos Floros**)
999. Thinking of tools powered by algorithms and their interfaces as artifacts for the creation of partial organization (**Rocío Fonseca Sasian**)
183. Digital platforms, algorithmic devices and workforce management (**Federico de Stavola**)
482. About the role(s) of algorithms in organizational and work practices, notes from an enactive ethnography of food-delivery riders (**Francesco Bonifacio**)
555. Configuring data matching: coping with uncertain data in migration and security (**Wouter van Rossem**)
611. Making cases count – Disentangling hybrid practices of counting cases in German Social Services (**Korbinian Gall, Stefanie Büchner, Justus Rahn**)

Panel 049. Theorising interfaces / Interface theories, Session 2 (Room N110)

Chair: Benjamin Lipp

930. Practices of interfacing: therapeutic encounters (**Melike Sahinol**)
452. Theorising interfaces for skilled workers, a case study from the German toolmaking industry (**Annelie Pentenrieder**)
797. Interfacing/surfacing: towards a symmetrical analytics of human-machine communication in the making (**Benjamin Lipp**)
790. Format archaeology: an approach to studying interfaces (**Natanliel Tkacz**)
1009. The threshold in interface theory (**Christian Schulz**)
128. When is a data-user interface? Investigating the fluidities and viscosities in technology-mediated knowledge (**Paula Helm**)

Panel 051. Methodological experiments in STS: exploring digital and (quali-) quantitative methods, Session 1 (Room N117)

Chair: Sarah Rose Bieszczad

621. Tracing the development of soil carbon research: an experimental mixed-methods approach (**Lisa Sigl, Ruth Falkenberg, Maximilian Fochler, Thed van Leeuwen**)
517. Of networks and topics: combining quantitative and qualitative methods in analysing modelling communities and discourses (**Anja Bauer, Leo Capari, Daniela Fuchs, Titus Udres**)
95. Understanding data studies: a conceptual and methodological inquiry into research on datafication (**Irina Zakharova**)
622. Reflecting on the practice of quali-quantitative science studies at the STS-QSS interface (**Judit Varga**)

Panel 059. Artificial intelligence controversies, Session 3 (Room N106)

Chair: Anders Kristian Munk & Noortje Marres

910. Fake AI and composing algorithms (**David Moats**)
434. Materializing AI in public healthcare practices: how does neoliberalism colonize daily decision-making processes? (**Núria Vallès-Peris, Júlia Pareto Boada**)

1035. Future frictions: an immersive web experience to explore urban AI controversies (**Anouk Geenen, Julieta Matos Castaño, Corelia Baibarac-Duignan, Michiel de Lange**)

421. Anne Frank's story as a 'cold case': How AI became entangled in a controversy around historical research (**Liesbet Van Zoonen, Francisca Grommé**)

Panel 063. Paradoxes and puzzles of/in citizen science, Session 1 (Room N115)

Chair: Louise Elstow & Michiel van Oudheusden

206. Extra-institutional science: a closer look at community laboratories (**A. Verena Eireiner**)

357. Citizen science: Reflections on experiments to integrate AI and citizen science (**Nada Akrouh, Rik Wehrens, Iris Wallenburg, Hester van de Bovenkamp**)

842. Challenging the understanding of roles and ownership in citizen social science: the coact experience (**Stefanie Schuerz, Barbara Kieslinger, Katja Mayer, Teresa Schäfer**)

638. Co-created and targeted communication strategies contribution to the impact and recognition of citizen science initiatives (**Joana Magalhães, Rosa Arias, Leire Leguina, Maite Pelacho, Esther Marín González**)

Panel 070. Has crisis run out of steam? examining the affective, temporal and aesthetics features of crisis talk, Session 2 (Room N116)

Chair: Roosa Rytönen

946. Climate socialization in times of crisis: a comparative study of argumentative emotion work and time work in climate change discourses (**Mónica Marín, Cosima Rughiniş**)

275. Sociotechnical futures vs. Uncertainty: the political uses of French economic forecasts in time of crisis (**Théo Régniez**)

84. Contexting crisis: understanding crisis as a temporal phenomenon in practice, through the case of Yachay, the city of knowledge in Ecuador (**José David Gómez Urrego**)

Panel 080. Assetization: governing techno-economic futures, Session 2 (Room N105)

Chair: Jane Bjørn Vedel

464. The UK REF ranking: governing the future of academic quality and scientific research (**Sveta Milyaeva**)

718. Digital asset-making in the global higher education sector (**Janja Komljenovic**)

277. Assetization as a techno-economic mode of governance (**Kean Birch**)

158. Blockchain in the Pacific: economic performativity and the assetization of trust (**Katrina Matheson**)

766. Making population health data assets (**Rachel Rowe**)

262. Repurposing Google ads for controversy mapping (**Oscar Coromina, Anders Munk, Alexei Tsinovoi**)

Panel 086. The forests within and the brains without: alternative heuristics of the Anthropocene, Session 1 (Room N102)

Chair: Salla Sariola

584. Minding the forest, foresting the mind: living through socioeconomic pressures in Sierra Leone's forest Milieux (**David Kananizadeh**)

186. Crossing the dark forest together: encounters between microbiome science and anthropology across time, space, and species (**Roberta Raffaetà**)

902. Interaction with plants and vegetal beings - how to describe them concretely? (**Mylène Tanferri**)

729. Making time: speculative engagements with embodied temporalities, bioscience, and art (**Lotta Hautamäki**)

Panel 093. Governing science, Session 1 (Room N111)

Chair: Mathieu Albert

423. Embracing heterogeneity: why plural understandings strengthen inter - and transdisciplinarity in Academia and policy (**Bianca Vienni Baptista, Isabel Fletcher, Catherine Lyall, Christian Pohl**)

768. Futures in knowledge making problems and possibilities with university and industry engaging in co-learning for innovation (**helen jøsok gansmo**)

663. Who governs European research? A quali-quantitative study of a transnational and interdisciplinary research council (**Lucas Brunet**)

619. The innovation potential of science in a system dependent on grant funding (**Nina Fárová**)

23. New stakeholders, new rules of the game: shifting boundaries in Canadian interdisciplinary health research (**Albert Mathieu**)

Panel 094. AI, digitalization, and algorithms, Session 1 (Room N109)

Chair: Francesco Miele

313. Digitizing and knowing: a new-materialist reading of change and uncertainty in digital pathology (**Chiara Carboni, mRomke van der Veen**)

220. Imagining algorithms at work: fears and hopes about Artificial Intelligence in healthcare (**Francesco Miele, Lytske Bakker, Welmoed van Deen, Carlos Godoy Junior**)

51. Voice assistants in the center of the internet of things: enabling interoperability while securing market domination (**Niklas Strüver**)

950. Digitizing difference: negotiating social orders in 21st century India (**Pariroo Rattan**)

799. The birth of (AI) ethics and its discontents (**Manolis Simos, Konstantinos Konstantis, Aristotle Tympas**)

Thursday 7th July 15:45-17:15

Panel 005. Who cares about neuroscience now?, Session 1 (Room N109)

Chair: Gregory Hollin

312. "Brain talk" and mental health: effects of neuroscience on clinical practice and subjectivity (**Andrea Bielli, Pilar Bacci, Lauren Predebon**)

115. How do neuroscientists think about criticism of neuroscience? (**Eileen Wengemuth**)

850. Decentring the brain? The re-emerging field of neuro-technologies of chronic pain in the United States (**Benjamin Lipp**)

137. Socio-technical futures and cyborgs: contested visions in the field of brain-computer interfaces (**Roberto Favalli**)

222. Thought transfer and brain connects - prospects, realizations, and powerful enactments (**Sigrid Schmitz**)

558. Revisioning self, technology and society through the context of neurotechnologies (**Marc Strotmann**)

Panel 007. Ecological valuing when the stakes are high: on the practicalities of nature-cultural flourishing, Session 2 (Room N101)

Chair: Irene van Oorschot

75. Complicating the circular economy: an ethnography of how biowaste turns/ does not turn into value in the mundane practices of Finnish biogas plants (**Taru Lehtokunnas, Olli Pyyhtinen**)

824. Zero waste, multi species: on embodying good hygiene for a good environment (**Mandy de Wilde**)

606. Scaling precarious potentiality: negotiating between the lab and the wild in gene drive mosquito development for malaria control (**Marianne Mäkelin**)

Panel 015. Crafting energy literacies for decolonial postcarbon futures, Session 1 (Room N107)

Chair: Dagmar Lorenz-Meyer

747. Figuring energetic entanglements: rethinking energy literacies as diasporic literacy (**Dagmar Lorenz-Meyer**)

328. Decarbonising domestic housing: the role of the construction industry in driving social acceptance (**Thomas Roberts, Jill Timms**)

776. What subnational imaginaries for solar PV? Exploring practices (**León Hirt, Marlyne Sahakian**)

810. Net Zero and the paths of localization: using expert interviews and participatory mapping to interpret energy system futures (**Christopher Groves, Karen Henwood**)

Panel 021. Closing the loop of empirical ethics: away from normativity and critique and back again, Session 2 (Room N118)

Chair: Tamar Sharon

125. Making & doing goods in practice: a proposition for empirical ethics (**Carla Greubel**)

801. "Good daughter" or "milking cows": empirical ethics of transnational elder care in Indian nurse families (**Tanja Ahlin**)

859. Wandering while surveilled: using empirical ethics to address the roles of emerging dementia care technologies? (**Astrid Meyer, Anders Albrechtslund, Stinne Aaløkke Ballegaard**)

Panel 026. Science diplomacy for the 21st century? The old, the new and the wanted (Room N114)

Chair: Joy Zhang

25. Empires of the mind and trickle-down science: challenges and opportunities in 21st century science diplomacy (**Greg Whitesides**)

32. Immune to generosity? Social ambivalence towards science diplomacy in the global South (**Joy Zhang**)

1041. Science, diplomacy, and geopolitics at China's Arctic research stations (**Trym Eiterjord**)

Panel 032. European university networks and imaginaries of learning infrastructures, Session 1 (Room N105)

Chair: Carlos Cuevas Garcia

792. BoostEuroTeQ: studying responsibility and co-creation at technical universities (**Lukas Fuchs, Carlos Cuevas-Garcia**)

791. Development of competencies through transdisciplinary research and education - a thematic review (**Sarju Sing Rai, Evert Grol, Marjolein Zweekhorst**)

806. Introducing the European engineering learning innovation and science alliance (**Maria Rentetzi**)

1001. EELISA European university (**Ignacio González Tejada, Juan Manuel Muñoz Guijosa, Alberto Garrido Colmenero, Asunción Gómez Pérez, Sofia D'Aguiar**)

Panel 033. Futures and narratives in health care politics and policy, Session 1 (Room N112)

Chair: Tineke Kleinhout-Vliek, Conor Douglas & Eva Hilberg

309. From "gatekeeper" to "forest ranger": the narrative work of a Dutch governmental agency in enacting sustainable future healthcare (**Rik Wehrens, Bert de Graaff**)

435. Narratives of control and practices of flexibility: managing SARS-COV-2 across European borders (**Alena Kamenshchikova**)

135. Juxtaposed responsibilities: exploring state-society relations in Austrian healthcare politics through stories of infection and cure (**Lisa Lehner**)

52. Ethico-racial imperatives: mobilising race and ethical action in imagined biomedical futures (**Ros Williams**)

161. Standardizing patient engagement in drug development: the "'futuring work'" of documents (**Claudia Egger**)

Panel 040. Hacking everything: the cultures and politics of hackers and software workers (special format) (Room N108)

Session 2: Hacker Politics and Programmers

777. Playing with fire: re-identification hacks and organisational micro-politics (**Jan Schmutzler, Estrid Sørensen**)
935. Hacking decision-making (**Maja Urbanczyk**)
355. Chaos reigns: hacktivism as health data activism (**Annika Richterich**)
113. Engineer-as-a-service: what is the future of engineering professionals in the digital world? (**Ola Michalec**)
734. Tiny tools and little loops: software art as care-ful software practice (**Tim Cowlshaw**)

Panel 041. Seeing is believing: veracity and verisimilitude in scientific visualization,

Session 1 (Room N106)

Chair: Isak Engdahl

635. Disappearing scientific vision: computational methods and infrastructures of code in bioscientific practice (**Rebecca Carlson**)
451. Scientific representations of sleep in the media: the Uruguayan case (**Cristina Misa Knuth, Andrea Bielli Pallela, Virginia Rodríguez Otero**)
809. Seeing as a way of knowing: a look from the history and the histological work of Abel Salazar (1889-1946) (**Maria Strecht Almeida**)
527. Uprooted expectations: "seeing" environments through deep learning algorithms (**Virginia Vargolskaia**)
665. The collective mapping of ExoMars 2022 landing site: seeing, negotiating and experiencing the Martian surface (**Valentina Marcheselli**)

Panel 045. Practices and politics of digitalization: work and organization in STS,

Session 2 (Room N113)

Chair: Brit Ross Winthereik

600. The action-net of digitalization in public administration: the case of the Bologna municipality (**Fabio María Espósito**)
518. From the assembly line to the dis-assembly line: comparing factory's work with the maintenance work of web content moderators (**Lia Tirabeni**)
771. Analyzing the power dynamics and materiality in digitalization projects in existing local contexts: experiences from manufacturing and the insurance sector (**Johan Buchholz**)
898. Bringing telemedicine to intensive care: responsible implementation and implementation of responsibilities (**Ulrike Felt, Timo Bühler, Carsten Horn, Michaela Scheriau**)
413. The state of work automation: interrogating anticipated futures and metaphors of organisational change (**Martin Berg**)
529. Exploring the development and implementation of a collaborative robot for automated wiring processes and its effects on informal workplace learning (**Michael Seidler, Norbert Huchler**)

Panel 047. Making liveable worlds through reflexive methods: care and intervention in STS research, Session 1 (Room N110)

Chair: Esther Dessewffy, Bao-Chau Pham, Andrea Schikowitz, Fredy Alberto Mora Gàmez & Sarah Davies

738. Ethnographic research and game design: engaging migrants in the design of migration infrastructures (**Lorenzo Olivieri**)

430. Caring for biosocial complexity: care and reflexivity in ethnographic engagements with biomedical researchers (**Michael Penkler**)

981. Synthetic becoming: engaging the intersection of art, activism, and feminist technoscience (**Lenka Veselá**)

398. STS research(ers) in the pandemic: an auto-ethnographic pinboard (**Sarah Davies, Esther Dessewffy, Andrea Schikowitz, Fredy Mora Gámez, Bao-Chau Pham**)

900. Enacting care through methodography (**Julie Sascia Mewes, Ingmar Lippert**)

Panel 051. Methodological experiments in STS: exploring digital and (quali-) quantitative methods, Session 2 (Room N102)

Chair: Judit Varga & Maximilian Fochler

838. Researchers, digital tools and politics of method. An account of the relationship from experiments with digital controversy mapping (**Chiara Poletti**)

944. Setting up speculative data visualisations (**Laura Kochsch, Estrid Sørensen**)

933. Constructing significance - exploring large nominal data between STS and computational methods (**Peter Kahlert, Suzette Kahlert**)

934. How to enrich the map? A case study of mapping German public service media libraries (**Maryam Tatari**)

Panel 052. Co-design and knowing (in) digital health technologies with future users of all ages, Session 1 (Room N111)

Chair: Julie Sascia Mewes, Sebastian Merkel & Estrid Sørensen

149. Popular data: how patients and doctors deal with digital apps and devices (**Danny Lämmerhirt, Cornelius Schubert**)

912. AI at work: the living lab method to empirically study AI for intensive care treatment (**Justien Dingelstad, Iris Wallenburg, Claartje ter Hoeven**)

913. Doing co-creation: articulations of empowerment in the development of a health data infrastructure (**Susanne Oechsner, Robin Rae, Ekaterina Osipova, Ulrike Felt**)

888. Reviews from and about older people on m-health apps: how does digitalization reshape the relationship between older people and health issues? (**Mengxi Zhang**)

617. Co-designing smart speakers for health and social care (**Sebastian Merkel**)

Panel 063. Paradoxes and puzzles of/in citizen science, Session 2 (Room N115)

Chair: Paolo Giardullo & Michiel Van Oudheusden

692. Citizen data science and the making of public policy during the Covid-19 pandemic (**Sine Zambach, Maja Horst, Alan Irwin**)

480. There is no such thing as tension - sociological reflections of dealing with tensions in participatory research (**Kevin Altmann, Michael Kitzing**)

851. "Testing" protocols in citizen science: societal protocols for participatory sensing (**Daniela van Geenen, Emma Garnett, Christian Nold, Danny Lämmerhirt**)

Panel 071. Aging technofutures: futuring old age in technological societies, Session 1 (Room N116)

Chair: Daniel López, Helen Manchester, Juliane Jarke & Alexander Peine

447. Undisciplining imaginaries of ageing futures: exploring academics hopes and fears for their ageing futures (**Helen Manchester, Matthew Lariviere**)

672. What matters to me - envisioning the ageing future self and its environment (**Catharina van Leersum, Kornelia Konrad, Johan van der Zwart**)

965. Doing things together: rethinking future techno-connectivity for later life (**Roser Beneito-Montagut, Daniel López Gómez, Israel Rodríguez-Giralt**)

800. Visions and realizations of cyber-physical spaces in Japan: solving societal issues by cybernetic avatars (**Celia Spoden**)

378. De-scripting of age in co-designing techno-futures with older adults (**Katja Antonia Rießenberger, Samira-Salomé Hüsler, Lilo Ruther, Bogdan Gherman, Sabina Misoch**)

Panel 092. Covid-19 and public health, Session 1 (Room N117)

Chair: Letizia Zampino

384. The interoperability renegade: France's perspective over COVID-19 digital contact tracing vs. the EU one (**Dario Pizzul, Michele Veneziano**)

770. Actor without network during the pandemic: contact tracing apps between misalignments and failures - the Italian case of Immuni (**Letizia Zampino, Assunta Viteritti**)

397. Digitalizing the pandemic welfare: the role of ICTS in the management of the crisis among vulnerable groups (**Roberto Cibir, Vanda Maufras Černožorská**)

Thursday 7th July
17:30-19:00

Parallel Subplenaries

Imaging a Post-Growth Society: Science, Technology and Innovation beyond Growth

Room N102

Andrea Jiménez

Alejandra Boni

Adrian Smith

Chair: **Mario Pansera**

Techno-science-fictional Futures: Methods, Forms, Norms

Room N101

Laura Watts

Andreas Philippopoulos-Mihalopoulos

Katja Mayer

Organizers: **Sally Wyatt, Nina Klimburg-Witjes, Michela Cozza**

Algorithms, Prediction and Narratives of Future

Room N106

Ippolita

Klaus Hoeyer

Noortje Marres

Organizers: **Mauro Turrini, Núria Vallès-Peris**

Speculative Ecologies for a Vulnerable World

Room N105

Carlos Cuevas Garcia

Clémence Pinel

Anne-Sofie Lautrup Sørensen

Chair: **Aleksandra Lis-Plesinska**

Friday 8th July
9:00-10:30

Panel 009. Fermentation futures: multiplicities, microbiomes, making, Session 1
(Room N101)

Chair: Maya Hey & Salla Sariola

570. Harnessing microbial fermentation in reproductive venture tech (**Megan Tracy, Rebecca Howes-Mischel**)

320. Listen with Mother? Feminist explorations of more-than-human co-creation in the home, the lab and the gallery (**Kaajal Modi, Karolina Bloch, Ruth Morrow, Ruth Morrow**)

987. Microbes in the making: fermentation in Assam, Northeast of India (**Salla Sariola**)

821. Intuitive agriculture: contending with microbial unruliness in the field (**Marie Turner**)

Panel 011. Infrastructured timescapes of the anthropocene and climate change, Session 1 (Room N106)

Chair: Ahser Boersma, Olivier Chanton & Claudio Coletta

210. Climate politics and the governance of time: the hetero-temporality of technologies in climate mitigation, adaptation and litigation (**Huub Dijstelbloem**)

251. Negotiations of goodness in Norway's oil capital generationall dynamics of living well in post-petroleum futures (**Anne-Sofie Lautrup Sørensen**)

706. Enabling net-zero futures: the afterlife of knowledge infrastructures in post-Paris offsetting (**Kamilla Karhunmaa, Mira Kähkönen**)

1024. Contesting the timescapes of disaster risk reduction: implicated time, rhythms and the Esofti resistance in dealing with permanent gas emissions from volcano Masaya, Nicaragua (**Sebastien Nobert**)

Panel 016. Engineering and caring for livestock futures in the Anthropocene, Session 1 (Room N102)

Chair: Pierre du Plessis & Else Vogel

416. The beauty and the meat: the human-animal relations of livestock breeding, meat processing and marketing (**Martin Winter, Désirée Janowsky**)

190. Cultured Meat as Promissory Assemblage (**Mariana Hase Ueta, Frank Müller**)

371. Engineering values through livestock genomics (**Jenske Bal, Simon Vanderstraeten, Roxane Gabet, François Thoreau**)

425. A doomed technology? On gene editing in Bavarian livestock agriculture, policy field conflicts and responsible research & innovation (**Amy Clare, Ruth Mueller, Julia Feiler**)

Panel 024. Emotions at work: the affective drivers of technoscientific workplaces and futures, Session 1 (Room N118)

Chair: Alev Coban & Klara-Aylin Wenten

715. "CERN runs on a lot of 'goodwill' and fascination": emotional drivers of work and socialization in high-energy physics (**Helene Sorgner**)

87. Calibrating emotions at the bench and the bedside in translational science (**Isabel Briz Hernández**)

830. Doing biobanking: identities, affect, and valuation of different kinds of work in an increasingly professionalized field (**Lisa-Maria Ferent, Ulrike Felt**)

Panel 027. Situating democratic futures, Session 1 (Room N105)

Chair: Irina Papazu, Laurie Waller & David Moats

523. Living laboratories and innovation parliaments: new sites of democracy (**Stefan Böschen, Julia Backhaus, Stefan John**)

86. Charting political waters (**Endre Dányi, Amade M'charek**)

136. Suspending democratic (dis)belief: technodemocratic imaginaries of solar power in Morocco and Tanzania (**Monamie Haines, Sharliss Moore, Turner Adornetto**)

813. Prototyping democratic futures in education (**Simy Kaur Gahoonia, Christopher Gad**)

253. The politics surrounding big tech: understanding the democratic configurations that shape our lives (**Ivan Veul**)

Panel 030. Policy instruments and the making of sociotechnical futures: production, circulation, and effects, Session 1 (Room N115)

Chair: Nicolas Baya-Laffite, Stefan Aykut & Bilel Benbouzid

726. Impact assessments and the making of sociotechnical futures: from the environment to cyberspace (**Nicolas Baya-Laffite**)

123. Security by principle: re-instrumenting cyber security assurance (**Matt Spencer**)

462. Tinkering with policy instruments of - and - through - digitalization: smart city Berlin and the institutionalization of subpolitics (**Julia Valeska Schröder**)

525. Politics of controlling Artificial Intelligence (**Benbouzid Bile**)

773. Private actors, public risks: a sociotechnical imaginary of algorithmic government in Europe (**Jana Misix**)

Panel 031. Rethinking policies and institutions through co-creation, user-driven innovation & research in the wild, Session 1 (Room N107)

Chair: Simone Arnaldi

43. Policy learning labs - innovative approach to innovations (**Aleksandra Gabriel, Monika Machowska, Agnieszka Włodarczyk-Gebik**)
528. The tailor and the sparrow: co-creating the municipality of the future (**Anja K. Ruess, Ruth Müller**)
695. Process or materiality? Entanglements of co-creation and responsibility (**Simone Arnaldi, Giovanni Carrosio**)
984. Fair reward for citizens contributions in co-creation (**Angela Simone, Anna Pellizzone, Marzia Mazzonetto**)
1011. Territorial translations of RRI (**Thomas Völker, Roger Strand, Marzia Mazzonetto, Diana Reinoso Botsho, Rasmus Slaattelid**)
1051. Beyond social impact of energy systems: a critical review of two French energy planning studies (**Baptiste Soubra, Bertrand Bocquet**)

Panel 033. Futures and narratives in health care politics and policy, Session 2 (Room N112)

Chair: Tineke Kleinhout-Vliek, Conor Douglas & Eva Hilberg

673. The illusion of a comprehensive future narrative: moving from manufacturability to modesty (**Teyler van Muijden, Violet Petit-Steeghs**)
667. Adjacent possibles of social pharmaceutical innovation (**Tineke Kleinhout-Vliek, Wouter Boon, Rob Hagendijk, Jarno Hoekman, Ellen Moors**)
723. Imagining the future of mental health care in/from Uruguay (**Santiago Navarro**)
178. "Ask us!": Counter narratives and collective tinkering in long term care (**Marjolijn Heerings, Hester van de Bovenkamp**)
755. The social lives of stories - the role(s) of accounts of rare disease from innovation to authorisation and marketing of orphan drugs (**Eva Hilberg, Tineke Kleinhout-Vliek, Hester van de Bovenkamp**)

Panel 042. Data, algorithms, absence, and alterity, Session 1 (Room N114)

Chair: Francis Lee & Michela Cozza

632. Ontological overflows and the politics of absence (**Francis Lee**)
351. Ground-truthing exclusions: enforcing a benchmark for neoantigen prediction in personalized immuno-oncology (**Florian Jaton**)
847. Blood donation's "missing minorities": a comparative analysis of the politics of absence by blood procurement agencies in the UK and Belgium (**Stephanie Hermant, Pierre Monforte, Lesley Hustinx**)

808. Negative space: pathways to absence in photographish evidence (**Alison Gerber**)

258. Overflowing cities and the technopolitics of recognizing waste (**Kevin Pijpers**)

1020. Language/communication ideologies and digital culture (**Alicia Fuentes Calle**)

Panel 047. Making liveable worlds through reflexive methods: care and intervention in STS research, Session 2 (Room N110)

Chair: Esther Dessewffy, Bao-Chau Pham, Andrea Schikowitz, Fredy Alberto Mora Gàmez & Sarah Davies

511. Disembodied self: staging the trouble through careful bodily engagements (**Pierre Delvenne**)

955. Life-lines: a visual bio-ethnography of breakthrough Covid and ecologies of support as shared immunities (**Angela Marqués Filipe**)

100. Third space walks: Flâneuse in virtual and material spaces of cities (**Mirjana Mitrovic**)

56. Caring with and through deception (**Brian Rappert**)

Panel 055. Inference worlds: politics of machine learning futures, Session 1 (Room N108)

Chair: Louise Amoore & Benjamin Jacobsen

19. Code, concrete and culture: ML, autonomous vehicles and the rules of the road (**Jack Stilgoe**)

82. From ethical to optimal: transformations in the ethics of autonomous driving discourse (**Maya Indira Ganesh**)

460. Loss: notes on the concept of error in machine learning (**Alexander Campolo**)

849. Constructing certainty: the performativity of benchmarking and its hold on the future (**Gabriel Grill**)

687. Inferred futures of a donor organ (**Louise Amoore**)

Panel 057. Datafication goes material: digital capitalism and the material conditions of existence, Session 1 (Room N111)

Chair: Yana Boeva, Kathrin Braun & Cordula Kropp

865. Mapping the datification of US healthcare: a comparative topographies approach to the study of datafication (**Linda Huber**)

97. Building information data and the emergence of platform urbanism (**Kathrin Braun, Cordula Kropp, Yana Boeva**)

605. Promises of 5G networks: datafication by software-oriented infrastructure (**Adrien Tournier**)

484. Unruly matter: taming the material world for digital venture capitalism (**Jamie Wong**)

Panel 068. Debating the hermeneutic critique of technoscientific futures, Session 1 (Room N116)

Chair: Martin Sand & Alfred Nordmann

716. Arguments for hermeneutic technology assessment (**Arthur Wei-Kang Liu**)
352. The prospective role of the research value "openness" in the sciences (**Rene Von Schomberg**)
256. Harvesting the future: philosophy of technology after the posthistoire (**Pascal Zorn**)
228. Unfolding futures as modal textures - towards a hermeneutics of techne, logos and possibility (**Bruno Gransche**)
1043. Works and worlds (**Alfred Nordmann**)

Panel 073. Reactivating urban matters: publics, valuations, and collectives in/as/through urban intervention, Session 1 (Room N109)

Chair: Julio Paulos & Laura Kemmer

367. Coded jaywalkers and the performativity of smart traffic lights (**Pouya Sepehr**)
548. Building a greater Paris in raw earth: material politics in the (re)activation of urban soil as a building material (**Jean Goizauskas, Carole-Anne Tisserand**)
273. Building the material city: the techno-political marginalization of the red brick in Cairo (Egypt) (**Corten Pérez-Houis**)
289. Political materiality of urbanisation processes in Port-au -Prince amid disaster and climate stress (**Enkelejda Sula-Raxhimi**)
683. From urban games to urban recipes: the emergence of an open source urbanism in Spain (1994-2019) (**Enrique Espinosa Pérez**)
572. The law of urban speculation. Devising property relations in the city (**Adolfo Estalella**)

Panel 079. Innovation and the politics of technoscientific futures: problems, engagements, and possibilities, Session 1 (Room N117)

Chair: Alan Irwin, Jane Bjørn Vedel & Aixa Aleman-Díaz

889. Accelerating innovation: tracing expectations of a particle accelerator in the making (**Noah Münster**)
963. Mission-oriented funding - a new role for science and innovation (**Cecile Hilmer**)
541. Isomorphic difference relations in the commercialization of nanotechnology: evidence from the National Nanotechnology Initiative (**Aixa Y. Aleman-Díaz, Alan Irwin**)
721. Anticipatory practices as loci for modulating the governance of innovation and socio-technical futures (**Kornelia Konrad**)
481. Technoscientific futures in innovation policy and research: emerging imaginaries of artificial intelligence in Brazil (**Guilherme Cavalcante Silva, Katrina Nicole Matheson**)

Panel 081. Rethinking value in contemporary policy-making, Session 1 (Room N113)

Chair: Daniel Nordtsrand

679. Morality in everyday nursing work: constituting valuation practices in health care (**Jooske Leenders, Iris Wallenburg, Anne Margriet Pot**)

146. Valuing a virus: how counting practices constitute Covid care (**Roland Bal, Syb Kuijper, Bert de Graaff, Iris Wallenburg**)

737. Between disruptio and entrenchment: how nests influence societal values (**Benjamin Hofbauer**)

958. The social value of improving the primary care response to domestic violence and abuse: a mixed methods social return on investment analysis of the UK Iris programme (**Meredith Hawking, Anna Dowrick, Estela Barbosa**)

915. What's in a name? The coinage of the notion of "biodiversity" as a tool of science communication (**Stefan Bargheer**)

Friday 8th July
11:00-12:30

Panel 009. Fermentation futures: multiplicities, microbiomes, making, Session 2 (Room N101)

Chair: Maya Hey & Salla Sariola

53. Aizome: indigo blues, fermentation and cosmotechnics (**Ganaele Langlois**)

297. The necrobiome: fermenting in-between life and death (**Elena Beregow**)

359. When fermentation kills (**Tereza Stöckelová, Kateřina Kolářová, Lukáš Senft**)

Panel 011. Infrastructured timescapes of the anthropocene and climate change, Session 2 (Room N106)

Chair: Ahser Boersma, Olivier Chanton & Claudio Coletta

503. Chronopolitics within the maintenance of corporate environments (**Ingmar Lippert**)

803. No-longer-in-time shipping: emerging spatiotemporal logics in climate change logistics (**Asher Boersma**)

919. Temporal enclosures and the social production of inescapable futures for coal mining in Colombia (**Susana Carmona, Pablo Jaramillo**)

725. Engineering the future: on climate modification and the macroscopic view (**Theo Reeves-Evison**)

Panel 016. Engineering and caring for livestock futures in the Anthropocene, Session 2 (Room N102)

Chair: Pierre du Plessis & Else Vogel

252. Following the beef: transnational trade and how Southern African cattle are transforming European landscapes (**Pierre du Plessis**)

456. Caring for digestion; the metabolic politics of dairy farming in the Netherlands (**Else Vogel**)

401. Is your cow too big? Engineering livestock futures in South India (**Daniel Münster**)

Panel 024. Emotions at work: the affective drivers of technoscientific workplaces and futures, Session 2 (Room N118)

Chair: Alev Coban & Klara-Aylin Wenten

750. How the introduction of Artificial Intelligence in healthcare is modifying the role of moral emotions in the field (**Eliana Bergamin**)

308. Patterns in practice: emotions, beliefs and values in machine learning for drug discovery (**Jo Bates, Itzelle Medina Perea, Helen Kennedy, Erinma Ochu**)

229. Ethnography, emotion and feminist ethics in the veterinary clinic (**Vanessa Ashall**)

874. "My dream was to make a cerana valley": the case of Apis Cerana and mud-hives in Kullu Himalayas (**Kesang Thakur, Syed Shoaib Ali**)

Panel 027. Situating democratic futures, Session 2 (Room N105)

Chair: Irina Papazu, Laurie Waller & David Moats

989. Collaborative autonomy: open scientific instruments as a democratisation arena in the global South (**Julieta Arancio**)

731. Space technologies, internet, and global futures: socio-technical imaginaries of the satellites mega-constellations (**Zinaida Vasilyeva**)

477. Blackouts, white lists, and information combat: making sense of contested, dis/connected socio-technical imaginaries after Myanmar's coup (**Stefan Bächtold**)

816. Beyond democracy: what public participation for the territory of the future? (**Carole-Anne Tisserand**)

1003. A case study of EU energy efficiency through the lens of indicator politics (**Tessa Dunlop, Thomas Voelker**)

Panel 030. Policy instruments and the making of sociotechnical futures: production, circulation, and effects, Session 2 (Room N115)

Chair: Nicolas Baya-Laffite, Stefan Aykut & Bilel Benbouzid

1033. Uncovering technological compassion: climate services, global anticipatory risk management and the politics of climate change adaptation (**Sebastien Nobert, Etienne Tardif-Paradis**)

609. (Re)assembling energy politics: predictive policy assemblages in energy policymaking (**Stefan C. Aykut**)

995. The controversial production of the future of energy efficiency: the case of energy labels for building in France (**Alexandre Mallard, Catherine Grandclément**)

200. The EU's circular economy action plans as a policy instrument to shape the future (**Josep Pinyol Alberich, Mario Pansera, Sarah Hartley**)

Panel 031. Rethinking policies and institutions through co-creation, user-driven innovation & research in the wild, Session 2 (Room N107)

Chair: Simone Arnaldi

152. Organisational translations and user innovations in healthcare (**Arturs Holavins**)

489. Monitoring innovation: tech watchdogs and digital public services Italy (**Michele Veneziano**)

676. Reappropriation of agency and the re-shaping of subjectivities of caregivers and patients with cerebral palsy (**Lorenzo Urbano**)

920. Participatory and co-creation practices involving first-person experiences to improve healthcare services and inform policies: a case-study of endometriosis as a under-diagnosed disorder affecting women's health (**Nora Salas Seoane, Rosa Arias, Diana Reinoso, Josep Perelló, Ramón Rovira**)

996. Co-producing innovation through free software and open hardware: the case of Raspibo (**Sergio Minniti**)

Panel 033. Futures and narratives in health care politics and policy, Session 3 (Room N112)

Chair: Tineke Kleinhout-Vliek, Conor Douglas & Eva Hilberg

257. Local tales and spatial imaginaries to compose caring regions (**Hannah Stalenhoef, Jitse Schuurmans, Iris Wallenburg, Roland Bal**)

225. Changing imaginaries and work-floor practices: how oncology care in Russia becoming a battleground for different healthcare logics (**Masha Denisova**)

698. The centralization of medical data as miracle cure: discourses and future visions around the digitalization of the Belgian health system (**Jean-Baptiste Fasnouillère**)

Panel 042. Data, algorithms, absence, and alterity, Session 2 (Room N114)

Chair: Francis Lee & Michela Cozza

554. Representing absence in survey research: a historical and conceptional analysis (**Lukas Griessl**)

514. Automated learning: speculative intervention (**Kevin Witzenberger**)

513. Algorithmic accountability and the politics of absence (**Loup Cellard**)

431. Algorithmic implicature (**Sille Obelitz Søre**)

144. Heterogeneous absences: the making of one digital health (**Lucilla Barchetta**)

83. Overlooked data: the promises and limitations of fertility tracking technologies (**Alina Geampana**)

Panel 054. Envisioning coded futures: algorithmically shaped presents and futures of human-machine-relationships, Session 1 (Room N109)

Chair: Lina Franken & Libuše Hannah Veprek

789. Exploiting your AI? Negotiating performance, satisfaction and accountability in human-AI-relations (**Migle Bareikyte, Marcus Burkhardt, Shadan Sadeghian**)

736. "Tom and the smartprojectorlamp" – on envisioning usage practices in coded human-machine relationships in the field of augmented reality technology (**Sarah Thanner**)

469. Inversions of human-machine relations in human computation systems (**Libuše Hannah Veprek**)

Panel 055. Inference worlds: politics of machine learning futures, Session 2 (Room N108)

Chair: Louise Amoore & Benjamin Jacobsen

335. Democratic politics of machine learning (**Yu-Shan Tseng**)

834. Learning from hate: inferences, interfaces and the foreclosure of counter narratives (**Eva Haifa Giraud, Elizabeth Poole, Ed de Quincey, John Richardson**)

1006. The politics of data reuse: entangled ecologies in machine learning infrastructures (**Nanna Bonde Thylstrup, Louise Amoore, Kristian Bondo Hansen, Mikkel Flyverbom**)

197. Supervised learning of the mechanical subject: under the radar social engineering techniques in Benjamin Netanyahu's FB messenger chatbot (**Anat Ben-David, Elinor Carmi**)

Panel 057. Datafication goes material: digital capitalism and the material conditions of existence, Session 2 (Room N111)

Chair: Yana Boeva, Kathrin Braun & Cordula Kropp

468. Who is (really) producing artificial intelligence (AI)? Examining labour processes behind French commercial AI systems (**Clément Le Ludec, Maxime Cornet**)

717. Infrastructures of Artificial Intelligence: tracing the network of materials that matter (**Miguel Larrea Schindler, Miquel Domenech Argemi**)

458. Feminist ethos under data production pressures (**Mace Ojala, Merethe Riggelsen Gjording, Pedro Ferreira**)

47. Digital capitalism, data, and democratization in agriculture: global patterns and empirical insights from Germany (**Sarah Hackfort**)

165. Making plant pathology automatically recognizable (**Cornelius Heimstädt**)

Panel 068. Debating the hermeneutic critique of technoscientific futures, Session 2 (Room N116)

Chair: Martin Sand & Alfred Nordmann

181. Anticipations as an emancipatory tool? "Futures literacy" and the critical-hermeneutic approach to technoscientific futures (**Sergio Urueña López**)

918. Examining cobot futures: between critical analysis and constructive engagement (**Jesse de Pagter**)

616. Mechanization, machine agency, and future of writing as self-critique: towards and expanded hermeneutic approach to technology assessment (**Nikita Lin**)

756. What is the thing called futurelessness? (**Martin Sand**)

Panel 069. The times of maintenance, Session 1 (Room N110)

Chair: Jérôme Denis & David Pontille

922. Maintaining futures abundance and loss: agrobiodiversity conservation in the Svalbard global seed vault (**Franziska von Verschuer**)

876. The toil for soil: maintenance as intersection of more than human care-times (**Syed Shoaib Ali, Shaina Sehgal, Naomi Milner, Ian Fitzpatrick**)

360. No dig, no ride: maintaining DIY designed bike trails (**Liam Healy**)

1039. The matter of time in domestic maintenance: the need for personal time and inquiries about the ongoing ontologies of the ordinary (**Solène Sarnowski, Nathan Ben Kemoun**)

724. The touch of salt: on time and embodiment in food practices related to excessive salt consumption (**Alexandra Endaltseva**)

Panel 071. Aging technofutures: futuring old age in technological societies, Session 2 (Room N113)

Chair: Daniel López, Helen Manchester, Juliane Jarke & Alexander Peine

374. Ageing as a driver of progressive politics? What the European silver economy teaches US about the co-constitution of ageing and innovation (**Alexander Peine, Benjamin Lipp**)

1055. Technofutures of social isolation and loneliness and the emergence of ageing-in-community infrastructures (**Daniel López**)

400. Paradox effects of the recent inclusion of the care perspective into the overarching narrative of care robotics (**Kevin Wiggert, Martin Meister, Ingo Schulz-Schaeffer, Tim Clausnitzer**)

Panel 079. Innovation and the politics of technoscientific futures: problems, engagements, and possibilities, Session 2 (Room N117)

Chair: Alan Irwin, Jane Bjørn Vedel & Aixa Aleman-Díaz

94. Scripts, sites and 'model publics' in demonstrations of carbon removal (**Laurie Waller**)

848. Trickle down innovation for rustbelt hubs? A comparison of two semi-conductor hubs in the US and East Germany (**Alexander Wentland, Marlise Schneider**)

179. Making foodtech futures valuable (**Tanja Schneider**)

740. Innovative approaches for integrative knowledge transfer: an empirical study of university-driven labs in Germany (**Tobias Held, Felix Schneider, Sophie Kaiser**)

Friday 8th July, 11:00-12:30

396. Promising technoscientific futures as a means to construct sustainable innovations: the case of the Austrian 'building of tomorrow' research programme (**Harald Rohrer**, **Michael Ornetzeder**)

Friday 8th July
12:30-14:00

Lunch Break Activities

ERC workshop - Room N111

PhD workshop - Room N109

Book Presentation: "Handbook of the Anthropology of Technology" - Room N117

Robot(ic)s & STS Meet-up - Room N112

ST&S Editorial Board Session - Room N115

"Uno, nessuno e centomila: academic conferences in the post-pandemic era" - Room N110

Friday 8th July
14:00-15:30

Panel 011. Infrastructured timescapes of the anthropocene and climate change,
Session 3 (Room N116)

Chair: Ahser Boersma, Olivier Chanton & Claudio Coletta

337. Deep arrow or layered non-linearity? On the chronopolitics of the Anthropocene (**Luigi Pellizzoni**)
394. Cryopreserving the present? The climate crisis and the emergence of a politics of suspension (**Thomas Lemke**)
684. Critical infrastructures and the temporalities of epistemic justice (**Govert Valkenburg**)
393. Temporal entanglements of urban transitions (**Claudio Coletta**)

Panel 012. Doing airborne exposure: Stories, devices, knowledges, and practices,
Session 1 (Room N106)

Chair: Brett Mommersteeg & Nona Schulte-Römer

623. The politics of stabilisation: air pollution, pandemic frictions, and doing exposure in epigenetic research (**Sophia Rossmann**)
377. Weathering and atmospheric care in face of airborne exposure (**Sophie van Balen, Irene Van Oorschot**)
426. Polluters, we go for you! Assembling exposure in the Arica victims v. Boliden mineral case (**Patricio Flores**)
156. Between paranoid infrastructures: exposure and enclosure in 5G networks (**Rory Sharp**)

Panel 014. Interspecies agencies: controversies, ontologies, and new forms of cohabitation, Session 1 (Room N101)

Chair: Arthur Arruda Leal Ferreira & Rubén Gómez Soriano

1049. Different manner - the same outcome? The ambiguity of human-nonhuman relationship in two cases of establishing nuclear energy in Poland in the '80s and nowadays (**Marcin Mielewczyk, Adam Mickiewicz**)
72. Attuning to trans-species pidgin articulations: pigeon racing as creolization of interspecies subjectivities (**Kristen Livera**)
331. What is a dog able to able to do? The Chilean kiltros as political agents (**Arthur Arruda Leal Ferreira**)

817. De-extinction and the role of animal charisma in forgoing new human-animal relations (**Koen Beumer, Tessa Molhuizen**)

Panel 030. Policy instruments and the making of sociotechnical futures: production, circulation, and effects, Session 3 (Room N113)

Chair: Nicolas Baya-Laffite, Stefan Aykut & Bilel Benbouzid

610. Practicing the future in an energy transition: from national scenarios to everyday practices (**Marlyne Sahakian, Orlane Moynat, Wladyslaw Senn, Vincent Moreau**)

106. Assessing the effects of an experimental policy instrument: associations as intermediary agents? (**Evelyne Lhoste**)

671. Making transformation instruments happen (**Britta Acksel**)

936. Future in vivo: living labs as future-making policy instruments - enabling future innovation by resisting present conflict? (**Anamaria-Ioana Rasenescu**)

Panel 031. Rethinking policies and institutions through co-creation, user-driven innovation & research in the wild, Session 3 (Room N107)

Chair: Paolo Magaudda

391. How can co-creation help city transformation? Building an empirical understanding of co-creative processes in and outside of Horizon 2020 (**Raphaël Stephens, Evelyne Lhoste, Allison Loconto, Mireille Matt, Douglas Robinson**)

438. Living labs - this is the way? (**Stefan John, Julia Backhaus, Stefan Böschen, Anamaria Rasenescu**)

653. Navigating the empirical and the transformational: empirizing transitions in technologies for inclusive employment (**Mike Grijseels, Teun Zuiderent-Jerak, Barbara Regeer**)

666. Happy failures: how STS might learn from failed experimentation in the wild (**Gert Meyers**)

424. Paving the way to transformative science a study on success factors for integrating science and society in university-driven innovation labs (**Sophie Kaiser, Tobias Held, Felix Schneider**)

Panel 039. The power of technological promises: quantum technologies as an emerging field, Session 1 (Room N112)

Chair: Susannah Glickman & Zeki Seskir

940. Collide, accelerate, and invite artists as guests: 10 years of art and science collaborations at CERN (**Diogo Henriques**)

192. From science fiction to institutional fact (**Susannah Glickman**)

602. Infrastructuring a promise: unconditional security in quantum communications practice (**Camilo Castillo, Alvaro Alarcón**)

470. Quantum secure as an emerging topic: a landscape study (**Zeki Can Seskir**)

Panel 050. Ferment(n)ation: Future Microbiopolitics in the Field of Gastronomy (special format) (Room N105)

Convenors: Iñaki Martínez de Albeniz, Elena Urieta Bastardés & Juan Carlos Arboleya

Panel 053. Data analytics in science – what is at stake?, Session 1 (Room N109)

Chair: Anne K. Krüger & Sabrina Petersohn

325. Using data from research information management systems in bibliometrics (**Barbara S. Lancho Barrantes**)

924. From paywall builders to data tracking moguls: how the big academic publishers have put on a new super villain costume (**Didier Torny**)

961. The rise of impact: growing the same or otherwise in science and policy (**Guus Dix**)

993. Narratives of open science: a discourse analysis (**Parissa Mokhtabad Amrei**)

33. Commercial data analytics tools: politico-economic, epistemic and ontological implications (**Maria Amuchastegui, Kean Birch, Wolfgang Kaltenbrunner**)

Panel 054. Envisioning coded futures: algorithmically shaped presents and futures of human-machine-relationships, Session 2 (Room N114)

Chair: Lina Franken & Libuše Hannah Veprek

645. Shaping research with human-machine-relationships (**Lina Franken**)

440. Calling APIs diffractively: imagining relational readings of code (**Rebeca Kleymann**)

117. Alternative search: envisioning and encoding social justice in European search infrastructures (**Astrid Mager**)

762. Materializing futures: fairness and diversity in AI development as sociotechnical imaginaries (**Miriam Fahimi, Nikolaus Poechhacker, Katharina Kinder-Kurlanda**)

Panel 055. Inference worlds: politics of machine learning futures, Session 3 (Room N108)

Chair: Louise Amoore & Benjamin Jacobsen

42. The upending of theory: correlation and stock prediction in the era of machine driven big data analytics (**Kristian Bondo Hansen**)

336. Automating affect: mapping practices of emotion AI (**Benedetta Catanzariti**)

409. Everything is a parameter: ML and the emergence of synthetic data (**Benjamin Jacobsen**)

713. Close to the metal: a material investigation of machine learning (**Ludovico Rella**)

833. Machine pedagogy: classifications and expectations of egocentric machine vision capabilities (**Isak Engdahl**)

Panel 062. Making science in public: studying science communication and public engagement, Session 1 (Room N110)

Chair: Sarah Davies & Maja Horst

957. Local publics, global impacts: the challenges of public engagement in risk assessment for gene drive technology (**Aleksandr Stelmach, Sarah Hartley, Robert Smith**)

681. Mediating public engagement with Covid-19 on reddit (**Frauke Rohden**)

433. Between public deliberation and capturing opinions: producing opinions in a public engagement on gene editing technologies (**Svenja Breuer, Michael Penkler**)

601. Making Austria/society together and against each other - the co-productive loop of quantitative social science and public engagement/dialogue (**Andreas Schadauer**)

Panel 078. In-between metrics and global environmental assessments: valuing environmental scientists and valuing environmental knowledge, Session 1 (Room N102)

Chair: Thomas Franssen & Anne Beaulieu

515. Movebank: how knowledge infrastructures shape the values of data, technologies, animals and researcher (**Thies Dinkelberg, Anne Beaulieu, Selen Eren**)

631. Is more research always better for addressing social-environmental problems? Valuing different kinds of knowledge work in soil carbon research (**Ruth Fankenberg, Lisa Sigl, Maximilian Fochler**)

660. Devices for cultivation: sustainability as a quality of research (**Thomas Franssen**)

648. On valuing the regional in ocean modelling (**Jacqueline Ashkin, Sarah de Rijcke**)

467. Natural capital entanglements (**Kerry Waylen, Simone Martino, Kirsty Blackstock, Alice Hague**)

108. Translating agroecological practices into provisioners of ecosystem service: the search for environmental indicators in economics (**Kewan Martens, Kato Van Ruymbeke**)

Panel 079. Innovation and the politics of technoscientific futures: problems, engagements, and possibilities, Session 3 (Room N118)

Chair: Alan Irwin, Jane Bjørn Vedel & Aixa Aleman-Diaz

466. The needs of innovation - a review of innovation theories (**Harro van Lente**)

184. Engineering techno science absences for innovation (**Colin Hill**)

872. Future imagination, community and space (**Amit Sheniak, Limor Samimian-Darash**)

74. Societal engagement on key enabling technologies: insights from ehealth, circular economy and industrial automation (**Raúl Tabares, Izaskun Jimenez, Andrea Porcari, Nina Ritter, Willemine Willems**)

Panel 090. The making and unmaking of technological infrastructures: robots, cyborgs, and maps, Session 1 (Room N111)

Chair: David Joshua Schröder

311. Everything under control? The integration of urban infrastructure control centers and their socio-technical imaginaries (**David Joshua Schröder**)

155. We move, we live: the possible fusion between the human "I" and the technological it" (**Marita Isaksson**)

866. The building of an infrastructure to contrast gangmastering in an Italian agricultural local labor market: assemblages, new technologies and transparency (**Francesco Saverio Ranieri**)

857. Maintenance robots, policy instruments, and the common good: assessing pre-commercial procurement assemblages in context (**Carlos Cuevas-García, Lukas Fuchs**)

154. Dis/empowering construction workforce: technoscientific imaginations of exoskeletons and augmented reality glasses as interfaces (**Ann-Kathrin Wortmeier, Cordula Kropp**)

Panel 096. Changing economies of ecological transformation, Session 1 (Room N115)

Chair: Maddalena Ripa

201. Assessing the economic performance of the circular economy: approaches and case studies (**Josep Pinyol Alberich, Leandro Llorente Gonzalez, Wasim Malek, Mohammad Javad Ramezankhani**)

414. Geographies of circular economy: towards a just transition based on humility (**Maddalena Ripa, Tess Doezema, Mario Pansera**)

46. Post-automation: opening-up automated futures? (**Adrian Smith, Mariano Fressoli**)

261. Climate justice infrastructures: the carbon budget and climate change litigation as sovereignty test (**Huub Dijstelbloem**)

549. Governing as if we knew how: rehearsing prefigurative city politics in climate crises (**Tapio Reinekoski**)

Panel 019. New governance approaches for critical dual-use technologies, Session 1 (Room N117)

Chair: Georgios Kolliarakis

591. Innovation and international security in tension: challenges in applying technology transfer risk (**Ross Peel, Hassan Elbahtimy**)

592. Surveillance technologies and trade: multilateral approaches to human rights risk assessment (**Machiko Kanetake**)

593. Soft guidelines for hard problems: the importance of soft law in strategic trade controls (**Ana Sánchez Cobaleda**)

595. A whole-of-value-chain criticality assessment approach for dual-use technologies (**Georgios Kolliarakis**)

Friday 8th July
15:45-17:15

Plenary 2

Auditorio Norte

The future and politics of STS in Europe

Participants

Ulrike Felt

Sarah de Rijcke

Sarah Rose Bieszczad

Endre Dányi

Vincenzo Pavone

Chair

Maja Horst

Friday 8th July Evening, Additional Activities

16:00 - 19:00

**075. Special format: Sensing and making sense of cities as wave fields.
Multimodal tour through "hot spots" in Madrid**

Registration by e-mail to: elisabeth.luggauer@hu-berlin.de by 6th of July

17:30-18:30

Awards Ceremony

20:30

Dinner

La Casa Encendida, Ronda de Valencia, 2

23:00

Party

La Casa Encendida, Ronda de Valencia, 2

Saturday 9th July
10:00-11:30

Panel 012. Doing airborne exposure: Stories, devices, knowledges, and practices,
Session 2 (Room N118)

Chair: Brett Mommersteeg & Nona Schulte-Römer

54. Negotiating threats: historicizing the elemental working of medical masks (**Hung-Ying Chen, Marijn Nieuwenhuis**)

708. Open windows, air change rates and sneeze guards: the different enactments of riskscape in the management of persons exposed to SARS-COV-2 (**Kevin Hall**)

719. Urban heat exposure: knowledges and practices of older adults (**Zofia Bienkowska, Franciszek Chwalczyk, Paloma Yáñez Serrano**)

Panel 014. Interspecies agencies: controversies, ontologies, and new forms of cohabitation, Session 2 (Room N101)

Chair: Arthur Arruda Leal Ferreira & Rubén Gómez Soriano

652. Challenging the ontological assumptions about non-human animals in environmental impact assessments: a reflection on absences and presences in the context of a socio-environmental conflict (**Francesc Rodríguez**)

885. Social drift: the conservation of the coontogenic niche in the relational space of language (**Beto Vianna**)

574. (Re)claiming the animal through a postcolonial posthumanist framework (**Jaya Sarkar**)

361. Disciplining fungi growth: plantationocene in post/socialist ruins (**Lukáš Senft, Tereza Stöckelová, Kateřina Kolářová**)

Panel 035. The future of vaccine techno-politics: outcomes and lessons of the Covid-19 pandemic, Session 1 (Room N112)

Chair: Stuart Blume & Vesna Trifunovic

255. Covid-19 vaccine hesitancy among self-made experts in a Swedish digital context (**Mia-Marie Hammarlin, Lars Borin, Dimitrios Kokkinakis, Fredrik Miegel**)

486. Challenging vaccination policy: vaccine hesitancy as alternative form of health citizenship during Covid-19 pandemic (**Paolo Giardullo, Barbara Morsello**)

633. Living with viruses: the conceptualization and communication of the mutual development of the immune system, viruses, and vaccines (**Hanne Castberg Tresselt**)

Panel 051. Methodological experiments in STS: exploring digital and (quali-) quantitative methods, Session 3 (Room N117)

Chair: Judit Varga & Maximilian Fochler

615. The bibliometric reconstruction of research biographies extension to the social sciences and humanities (**Markus Hoffmann, Asia Mironenko, Grit Laudel, Jochen Gläser**)

612. The bibliometric reconstruction of research biographies - extension to analytical purposes (**Grit Laudel, Tobias Lehmann, Asia Mironenko, Matthias Held, Jochen Gläser**)

969. Hackathon as method - participant observation for computational times (**Gro Skorpen**)

Panel 058. Algorithms we live by and resist: how Artificial Intelligence reshapes daily organizational practices and control, Session 1 (Room N109)

Chair: Roland Bal, Iris Wallenburg & Lieke Oldenhof

22. Getting a grip: m-health technologies and tactile resistance (**Michelle Charette**)

109. The changing role of street-level bureaucrats in the digital welfare state (**Margot Kersing, Liesbet van Zoonen, Lieke Oldenhof, Kim Putters**)

353. How platform workers juggle jobs (**Francisca Grommé, Jans Berden, Claartje Ter Hoeven**)

562. Difference as a site for intervention: the case of wearable computers (**Ana Viseu**)

947. The controversial arrangements of citizen-users, a mobile interface and the state (**Marie Alauzen**)

Panel 062. Making science in public: studying science communication and public engagement, Session 2 (Room N115)

Chair: Sarah Davies & Maja Horst

685. Science improv: improvised comedy as science communication (**James Dolan, Hauke Riesch, Oana-Catalina Mihai, Massimo Carraro**)

175. Immersive theatre; citizenly co-creation of speculative-ethical-future (**Bentley Crudgington**)

627. Engaging publics perceptions of environmental crises: some notes towards a participatory visual approach (**Erik Aarden**)

Panel 069. The times of maintenance, Session 2 (Room N116)

Chair: Jérôme Denis & David Pontille

314. Making things last (**Jérôme Denis, David Pontille**)

534. Time trajectories and associations in house-museums maintenance (**Gianluigi Viscusi, Chiara Rubessi**)

1036. Between the runs continuation and innovation in the shutdown of a particle detector (**Daria Jadreškić**)

939. Exploring the maintenance of multiple infrastructural lives: the case of the Zwentendorf nuclear power plant in Austria (**Céline Parotte**)

363. The maintenance of vitality: conflicting temporalities in the field of cryobanking (**Ruzana Liburkina, Sara Lafuente-Funes**)

Panel 091. The sharing economies of technoscience, Session 1 (Room N111)

Chair: Shir Grunebaum

122. Data sharing platforms for cohort data: instruments to reform science policy on data sharing? (**Thijs Devriendt**)

85. Editorial work and the peer review economy of STS journals (**Wolfgang Kaltenbrunner, Kean Birch, Maria Amuchastegui**)

655. Practices and representations of data sharing and data protection within research communities practicing or accompanying ethnography (**Noel Marianne, Revelin Florence, Levain Alix, Noûs Camille**)

Closed Panel 15. Algorithmic regimes: interactions, politics, and methods, Session 1 (Room N114)

Chair: Yana Boeva

218. The future(s) of algorithmic regimes: are we heading towards a "predictive society"? (**Simon Egbert**)

217. The politics of data science: institutionalising algorithmic regimes of knowledge production in academia (**Stefanie Raible, Bianca Prietl**)

219. Making algorithms fair (**Katharina Kinder-Kurlanda, Miriam Fahimi**)

221. Upon opening the black box of machine learning and finding it leading down the path of least resistance (**Hendrik Heuer, Juliane Jarke**)

Closed Panel 20. Emergent futures beyond the planetary: society, science, and technology, and the making of outer space, Session 1 (Room N113)

Chair: Matjaz Vidmar

492. Making the Ariane Rocket: sociotechnical imaginaries of Europe in space (**Nina Klimburg-Witjes**)

494. Anticipating the Copernican exchange (**Peter Timko**)

495. The future of space habitats: the archaeological view (**Justin St P Walsh**)

497. The geopolitical imagination in outer space (**William Stewart**)

500. (Re)making space for the UK: national imaginaries of space economy futures (**Eleanor S. Armstrong, Richard Tutton**)

Closed Panel 21. Virtual presence: the dialectics of loneliness and technology, Session 1 (Room N107)

Chair: Gemma Hughes

339. Reappraising the social: notes towards a more inclusive understanding of loneliness and technology (**Lars E.F. Johannessen**)

340. Re-entering Plato's cave – on presence and hierarchies of reality in digital teletechnologies (**Clemet Askheim**)

342. Streaming technologies and the law: problematizing the distinction between analogue and digital co-presence in European data protection regulation (**Julia Köhler-Olsen**)

343. Distributed presence: multiple theories of virtual presence (**Gemma Hughes**)

Closed Panel 23. Reinventing the politics of knowledge production in migration research, Session 1 (Room N108)

Chair: Stephan Scheel

439. Passing the test: turning unknowns into processable subjects at the registration and identification center in Moria (**Silvan Pollozek, Jan-Hendrik Passoth**)

441. How to research migration using data technologies? Re-visibilizing migration information infrastructures (**Fran Meissner, Lynnet Taylor**)

443. Ending or maintaining a border control agency? On the socio-material and epistemic practices of holding a state accountable for its human rights violations (**Nina Amelung, Susana Ferreira**)

Closed Panel 24. Responsible future-making practices: opportunities, tensions and possibilities, Session 1 (Room N110)

Chair: Hannot Rodríguez, Sergio Urueña & Mario Pansera

576. RRI and open science in the face of prevailing EU future narratives: ambivalences and resistances (**Hannot Rodríguez, Sergio Urueña**)

577. Framing anticipation in a post-growth innovation era (**Mario Pansera**)

566. Transformative vision assessment as an approach for responsible future-making (**Andreas Lösch, Christoph Schneider**)

565. Operationalising future-making practices: foresight and inclusiveness (**Andoni Ibarra, Stefan John, Stefan Böschen**)

573. Safety and sustainability by design from the nanolab: NPs selection rules for value-based design (**Eudald Casals, Martí Busquets, Ignasi Gispert, Victor Puntès**)

Saturday 9th July
12:00-13:30

Panel 035. The future of vaccine techno-politics: outcomes and lessons of the Covid-19 pandemic, Session 2 (Room N112)

Chair: Stuart Blume & Vesna Trifunovic

96. Vaccine disruptions (**Stuart Blume, Vesna Trifunovic**)

463. Global governance and state failure in assessing and controlling post-vaccination complications in Romania: what lessons can be learned from the current pandemic for the next generation of platform-based vaccines? (**Valentin-Veron Toma**)

994. The legal uncertainty of pharmaceutical innovation policy in Brazil: past or future? (**Fernando Aith, Marina Borba, Julino Soares, Cláudio Cordovil**)

846. The role and position of HTA agencies in the governance of innovative medical technology: a critical interpretive synthesis (**Renee Else Michels, Bert de Graaff, Payam Abrishami, Diana Maria Johanna Delnoij**)

Panel 037. Care as a high-tension zone: Investigating the ambivalences of care in the midst of the pandemic, Session 3 (Room N118)

Chair: Hannah Grün & Lisa Wiedemann

952. Reconfiguring nursing in pandemic times: tele-medicine as (perceived) solution in the tension zone of safety and affective caring (**Magdalena Eitenberger**)

867. Digisting practices of support in community mental health during Covid-19 (**Ian Tucker**)

73. Tensions and escapes in independent living infrastructures for people with disabilities under Covid-19 (**Joan Moyà-Köler, Andrea Garcia-Santesmases, Lluvi Farré Montalà**)

767. Community as social infrastructure for elderly care: take the case of care practice of the community meal program for the elderly in Mailiao, Taiwan (**Jui-Hsin Cheng**)

Panel 038. Making media futures: from meanings to imaginations and expectations, Session 3 (Room N114)

Chair: Alin Olteanu

48. #Nature vs. #Climate - Instagram as a site of contestation of techno-scientific imaginaries (**Noa Turgeman, Anat Ben-David, Noah Efron**)

532. Framing emerging technologies: how companies conceptualize and discuss the value of emerging technologies on Twitter (**Gulnara Nussipova**)

402. Socio-technical imaginaries of the internet of things (**Ana Delicado, Ana Viseu, Ana Nunes de Almeida**)

Panel 048. Transdisciplinary research: how to stay with the trouble and enable co-learning?, Session 3 (Room N101)

Chair: Selen Eren, Anne Beaulieu & Nienke van Pijkeren

668. Across boundaries and into visions: reflections from a transdisciplinary research on soil fertility (**Rita Giuffridi, Christian Colella, Laura Colucci-Gray, Laura Criscuolo, Alba L'Astorina**)

903. Making patient knowledge matter: the place of narratives of Covid-19 and critical illness for developing health service improvements (**Annelieke Driessen**)

516. Enabling transdisciplinary work: insights from a newly established faculty Campus Fryslan (**Anne Beaulieu, Sarah Feron, Andrej Zwitter, Caspar van den Berg**)

Panel 061. The politics of AI-based security - trajectories, challenges, and (future) lines of investigation, Session 1 (Room N111)

Chair: Jens Hälterlein

587. The military-industrial-academic complex and project Maven: is military research allowing a technical elite into politics? (**Jaspreet Jagdev**)

369. Upscaling ground truthing for the airport (**Bettina Paul, Sylvia Kühne, Torsten Voigt**)

597. Non-technological drivers for AI-based security (**Georgios Kolliarakis**)

998. AI vs. The hate? Imagining and constructing the policing of online hate speech (**Jens Hälterlein**)

Panel 062. Making science in public: studying science communication and public engagement, Session 3 (Room N115)

Chair: Sarah Davies & Maja Horst

474. #FUCKCANCER: how women with incurable cancer discuss and interpret biomedical knowledge on Instagram (**Afke Wieke Betten, Jill van der Kamp, Lotte Krabbenborg**)

133. The publics of personalized medicine (**Lea Skovgaard**)

883. Experimenting with science, democracy and the public's right to know in Japan: the co-production of journalistic ethics and research ethics during and in the aftermath of the stap cell replication experiments (2014-2017) (**Melpomeni Antonakaki**)

232. Encountering resistance: contesting stage science on antimicrobial resistance (**Eleanor Kashouris**)

Closed Panel 15. Algorithmic regimes: interactions, politics, and methods, Session 2 (Room N110)

Chair: Simon Egbert

214. Infrastructuring computational design as algorithmic regime (**Yana Boeva, Cordula Kropp**)

215. Making digital publics: algorithmic media and the fabrication of publics (**Nikolaus Poechhacker, Marcus Burkhardt, Jan-Hendrik Passoth**)

216. Algorithm-driven reconfigurations of trust regimes: an analysis of the potentiality of fake news (**Jörn Wiengarn, Maike Arnold**)

Closed Panel 21. Virtual presence: the dialectics of loneliness and technology, Session 2 (Room N117)

Chair: Gemma Hughes

344. "The way out of loneliness is digital": Discourses on elderly non-users and digital inclusion measures in loneliness policy in Norway and the UK (**Elian E. Jentoft**)

345. Shielded through the screen: Technology (re)scripted for elderly people (**Marit Haldar**)

346. Can a communication technology enhance social connectedness among nursing home residents? (**Sehrish Akhtar**)

348. The (a)social robot? Analyzing the affordances of the telepresence robot AV1 (**Maja Nordtug**)

Closed Panel 23. Reinventing the politics of knowledge production in migration research, Session 2 (Room N107)

Chair: Nina Amelung

445. Age in the circle of doubt – how ignoring relationalities re/enacts migrant categories (**Sabine Netz**)

446. Making workable knowledge for asylum decisions: on tinkering with country of origin Information (**Jasper van der Kist**)

448. Black box police university? The production of scientific knowledge on migration in and through police (**Philip Schäfer**)

437. Epistemic domination by data extraction: questioning the digitization of asylum procedures (**Stephan Scheel**)

Closed Panel 26. Art-Science futures in higher education (and beyond), Session 1 (Room N109)

Chair: Michelle Kasprzak

650. "Visible mending" and the ethics and poetics of repair in higher education (**Sanne Koevoets**)

641. On agency and ethics in arts education (**Michelle Kasprzak**)

654. The living stations: materialize matter in the Anthropocene (**Emma van der Leest, Aldje van Meer**)

644. Teaching a systems approach in design education: applying or problematizing? (**Ginger Coons**)

646. The social ecology of art, science and technology collaborations: A Q-Study (**Zeynep Birsell**)

Closed Panel 27. 10 years of CRISPR (2012-2022), the relevance of multidisciplinary approaches and the RRI perspective: lessons learned, Session 1 (Room N108)

Chair: Maria Almeida

901. Irresponsibility in the making (**Morgan Meyer**)

904. A RRI perspective about genome editing: technical, ethical and societal challenges of CRISPR technologies through the lens of experts (**Pedro Ramos, Maria Almeida, Anna Olsson**)