STS Conference Graz

May 5 – 7 2025
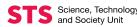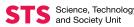
Preliminary Program (long)
21.3.25

Monday, 05/May/2025

8:00am - 9:00am	**Registration** **Location: Lobby**				
9:00am - 10:00am	**K1: Welcome and Keynote** **Kean Birch:** The Rise of a Tech Oligarchy**;** York University, Canada Location: **Room Styria** Chair: **TBA** Welcome Note by **Günter Getzinger**, head of the STS Unit, Graz University of Technology, Austria				
10:15am - 11:45am resp. 10:15am - 12:15pm	**45: Ethical challenges & role of societal stakeholders for building a pan-European training partnership for (research and) innovation on safe and sustainable nano- and advanced materials** Ineke Malsch, Susanne Resch, Luis Mauricio Ortiz-Galvez, Sabine Hofer, Norbert Hofstätter, Andreas Falk, Sophie M. Briffa, Ciro Salcines, Thomas Exner, Sean Kelly, Effie Marcoulaki, Martin Himly Function-Use Dualism: Sociotechnical Reflections on PMTs Chemicals within Safety and Sustainability Discourses Dario Amenophi Perfigli TU Delft, The Netherlands Navigating Ecosystem Tensions around Safe-and-Sustainable-by-Design (SSbD) in the Chemicals Industry Fernando C. Lit, Mart van Uden Maastricht University, The Netherlands	**9.1: Sustainability and AI: Addressing a complex relationship** Daniel Houben, Bianca Prietl Digital Sustainability in Social Work - A STS Perspective Daniel Houben Fakultät Soziale Arbeit, Germany Enacting sustainability with AI. A queer-ecofeminist and new materialist engagement Bianca Prietl University of Basel, Switzerland Negotiating the role of AI for a sustainable future Kathrin Lutz Johannes Gutenberg University Mainz, Germany Uncovering the Directionality of Innovation in Artificial Intelligence (AI) in Energy Transition: A Global Perspective using patent analysis Sumit Kumar[1], Rob Raven[1], Mitzi Bolton[1], Paris Hadfield[1], Francesco Pasimeni[2] 1: Monash Sustainable Development Institute, Monash University, Australia; 2: Industrial Engineering and Innovation Sciences, Eindhoven University of Technology, The Netherlands	**44.1: Towards Social Studies of (Biomedical) Testing?** Erik Aarden, Mara Köhler, Victoria Meklin, Ingrid Metzler 'Still Sub-Therapeutic': Ethnographic Reflections on Evidence-Based Lithium Prescribing in the UK Arnav Sethi University of Cambridge, United Kingdom The Epistemic-Instrumental Convolution of Biomarkerization in Neurology Rik van der Linden, Harro van Lente Maastricht University, The Netherlands Aging as Synthesis: Biological Age Testing in the Context of Longevity Frederik Peper, Nico Wettmann University of Koblenz, Germany From actionable test findings to actionable variants in precision medicine Dominik Hofmann Bielefeld University, Germany	**47: Advancing Open Qualitative Research through Theory, Research, and Action** Nicki Lisa Cole, Agata Bochynska, Peter Branney, Kirsti Klette From Loneliness to Engaged Community: (Re)considering advocacy and organising in open qualitative research Annayah M.B. Prosser University of Bath, United Kingdom Preregistering Qualitative Research: Taking Stock Tamarinde Laura Haven, Amirali Rezazadeh Tilburg University, The Netherlands Supporting reusability of qualitative data: Recommendations for researchers and institutions Agata Bochynska, Kirsti Klette, Torgeir Christiansen University of Oslo, Norway How Qualitative Research Can Enrich Open Science Nicki Lisa Cole Know Center Research GmbH, Austria	**26: Inclusive Paths of Transformation: Unpacking Just Transition Challenges and Opportunities in the Global South** Dwarkeshwar Dutt, Jyoti Prabha, Stephani Ruiz Uncovering Sustainability Trade-offs in Energy Efficiency: A Business Models Lens on the Indian Sugar Industry Kanika Balani University of Sussex, United Kingdom Regional Energy Cooperation in Eastern Africa: Examining Historical, Political, and Institutional Dimensions Galila Khougali University College London, United Kingdom Exploring Ecosocial Energy Transitions in the Global North and South: Insights From Chile And The UK. Carla Douglas University of Sussex, United Kingdom

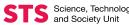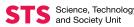|	16.1 / 9.2 / 44.2 / 39.1 / 27				
			NHS England's Genomic Medicine Service: reorganising genomic testing to implement a platform innovation strategy Jarmo de Vries University of Edinburgh, United Kingdom		Approach to People-Centric Energy Transition: An Empirical Study from Rajahara Coalfield, Jharkhand Vaibhav Chowdhary[1,2], Animesh Ghosh[1,3] 1: Ashoka Centre for a People-centric Energy Transition (ACPET), Ashoka University, India; 2: Indian Institute of Technology Kanpur; 3: Indian Institute of Technology Kharagpur, India
12:15pm - 1:30pm	**Lunchbreak** **Location: Room Engelreich**				
1:30pm - 3:00pm **resp.** **1:30am - 3:30pm**	**16.1: Thinking With and About Generative AI in STS** Lukas Griessl, Christian Dayé Epistemic Ambivalence, Generative AI and the Transformation of Established Practices in the Social Sciences and Humanities Lukas Griessl University of Tübingen, Germany Is AI a Knowledge Agent? Hybrid Epistemic Practices and Research Regulations Mariia Kiseleva, Friederike Rohde TU Berlin, Germany On the way to responsible practices – analysis of guidelines on generative AI from scientific publishers Angelina Sophie Dähms, Linda Nierling KIT, Germany	**9.2: Sustainability and AI: Addressing a complex relationship** Daniel Houben, Bianca Prietl Developing Environmental Awareness and Sustainability Transitions Using Artificial Intelligence David Richard Walwyn[1], Nicky Terblanche[2] 1: University of Pretoria, South Africa; 2: University of Stellenbosch, South Africa Climate Knowledge Twin Timescape: Making Futures by Controversies and Consensus Claudio Coletta University of Bologna, Italy The Sustainability Myth of AI: Progress and Unintended Outcomes Inga-Maria Eichentopf, Laura Seelig Mittweida University of Applied Sciences, Germany	**44.2: Towards Social Studies of (Biomedical) Testing?** Erik Aarden, Mara Köhler, Victoria Meklin, Ingrid Metzler Experimenting with real-world evidence. A sociological study into new regulatory knowledge practices for Digital Health Technologies Elisa Lievevrouw KU Leuven, Belgium A Perfect Match: Expanded Carrier Screening and Gamete Donation in Spain's Reproductive Market Mauro Turrini CSIC, Spain Un/Diagnosed: (Bio-)Medical Testing as a Tool of Identity Un/Making in Solidarity-Based Healthcare Systems Magdalena Eitenberger University of Vienna, Austria	**39.1: Knowledge Structures and Epistemic Infrastructures** Franziska L. S. Sörgel, Judith Hartstein Rethinking Epistemic Infrastructures through Feminist Perspectives: The Role of Experiential Knowledge Dana Mahr Karlsruher Institut für Technologie, Germany Sustainability by Numbers? Technologies of Government by Numbers for Sustainable Planning and Building Construction Kathrin Braun University of Stuttgart, Germany Making sceptics into believers: The incorporation of epistemic objects into epistemic infrastructures Judith Hartstein[1,2] 1: German Centre for Higher Education Research and Science Studies (DZHW), Germany; 2: Humboldt-Universität zu Berlin, Germany	**27: Advancing Urban and Rural Energy Systems for Inclusive, Scalable, and Technologically Integrated Energy Solutions** Vanja Djinlev, Michael Brenner-Fliesser, Malgorzata {Gosia} Matowska Energy-mobility-digitalisation nexus for integrated urban energy system: the cities of Freiburg and Graz Arian Mahzouni Technology and Sustainable Futures research group, Department of Informatics, University of Oslo, Norway Complexities of inclusive energy transitions in European post coal mining regions: Opportunities ahead for Moravian Silesian, Czech Republic Suyash Jolly, Petr Rumpel Department of Human Geography and Regional Development, University of Ostrava, Czech Republic

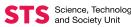|				
To What Extent and How Do Scientific Structures and Practices Shape the Use of Generative Artificial Intelligence? Evidence from an International, Large-scale Survey Jeongwon Choi[1], Anna-Lena Ruland[1], Yao Qu[2], Madita Amoneit[3] 1: University College London, United Kingdom; 2: Nanyang Technological University Singapore; 3: Freie Universität Berlin, Germany		Testing as anticipatory practice: reproductive decision-making among people with cystic fibrosis Stefan Reinsch[1], Anika König[2] 1: Zentrum für Studiengangsentwicklung, Aus- und Weiterbildungsforschung, Medizinische Hochschule Brandenburg, Germany; 2: Institut für Ethnologie, Freie Universität Berlin, Germany	Epistemic imaginaries: changing directions in scientific fields Harro van Lente[1,2] 1: Maastricht University, the Netherlands; 2: RWTH Aachen, Kate Hamburger Kolleg Cultures of Research, Germany Embodiment, Imagination and Production of Haptic Knowledge in Engineering Design Aleksandra Kazakova University of Chinese Academy of Sciences, People's Republic of China	European energy companies' operations in and views towards energy community developments Ella Tolonen[1], Salvatore Ruggiero[2], Simone Franzo[3] 1: University of Vaasa, Finland; 2: Lappeenranta University of Technology, Finland; 3: Polytechnic University of Milan, Italy Exploration of Innovations and Public Perception of Solar Photovoltaic (PV) Technology in India Akoijam Amitkumar Singh Jawaharlal Nehru University (JNU), India 'Citizen engagement, interactive mechanisms, and multilevel knowledge creation in data-driven energy-secure communities Christine Gritsch Blueprint Energy Solutions GmbH, Austria Contextualizing solar pumps in the rural energy system: A case study in Maharashtra, India Prathamesh Antarkar, Pankaj Sekhsaria Indian Institute of Technology Bombay, Mumbai, India
3:00pm - 3:45pm	**Coffee Break** **Location: Lobby**			

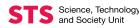|	16.2: Thinking With and About Generative AI in STS Lukas Griessl, Christian Dayé	28: Energy Poverty Expertise — Knowledge, Tools and Practices Adèle Sébert, Ute Dubois	44.3: Towards Social Studies of (Biomedical) Testing? Erik Aarden, Mara Köhler, Victoria Meklin, Ingrid Metzler	39.2: Knowledge Structures and Epistemic Infrastructures Franziska L. S. Sörgel, Judith Hartstein	7: Addressing the ongoing challenge of responsibility in science and technology after the political demise of "Responsible Research and Innovation" (RRI) Erich Griessler, Elisabeth Frankus, Robert Braun, Johannes Starkbaum
3:45pm - 5:15pm resp. 3:45pm - 5:45pm	Understanding GenAI Disclosure in Higher Education: Task and Disciplinary Effects Yao Qu, Jue Wang Nanyang Technological University, Singapore Integrating anticipation and responsibility into a generative AI course Alexi Orchard University of Notre Dame, United States of America Choreographies of AI Voices: the discursive construction and cultural implications of "best practices" of artificial intelligence Alexandra Supper Maastricht University, The Netherlands	Understanding energy poverty: the lived experiences of affected households in the Netherlands Caroline van Ooij[1], Batoul Mesdaghi[1], Carmen de Vreede[2], Ruben Peuchen[1], Koen Straver[1] 1: TNO, The Netherlands; 2: Netherlands Enterprise Agency (RVO) , The Netherlands Quantifying households living in energy poverty: between co-construction and fragmentation Adèle Sébert CRIEG-REGARDS (EA6292), University of Reims Champagne-Ardenne, France The impact of energy aid providers on households: Evaluating effectiveness and pathways for improvement Arianne van der Wal[1], Caroline van Ooij[1], Thomas Schuurman Hess[1], Batoul Mesdaghi[1], Rosalie Varkevisser[2], Elsenoor Wijlhuizen[2] 1: TNO, The Netherlands; 2: Utrecht University, The Netherlands Assessing the role of energy poverty expertise in exploring energy poverty challenges of young adults Adèle Sébert[1], Ute Dubois[2] 1: Université de Reims Champagne-Ardenne, France; 2: ISG International Business School, France	Biomedical testing for virulent epidemics at Points of Entry: a site for authoritarianism, exploiting travellers and surveillance in Uganda Grace Akello, Melissa Parker, Tim Allen Gulu University, Faculty of Medicine, Uganda Testing and screening for COVID-19 in Greece: public health crisis and the governance of citizens Katerina Vlantoni, Kostas Raptis Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece Testing Times: Boundary objects and fragile assemblages of COVID-19 testing in Denmark Charlotte Nørholm Aarhus University, Denmark Biogovernance and Biomoralities: Tensions between health and education in Covid-19-Testing in Austrian Schools Victoria Meklin Alpen-Adria-Universität Klagenfurt, Austria The Moralities and Geographies of SARS-CoV-2 Testing Policies in Austria Ingrid Metzler[1], Mara Köhler[1], Victoria Meklin[2], Erik Aarden[2] 1: Karl Landsteiner University of Health Sciences, Austria; 2: Universität Klagenfurt, Austria	Tracking Knowledge and Power Dynamics in the Scientific System Franziska L. S. Sörgel Karlsruhe Institut for Technology, Germany "Dark Species" and "Dark Taxa" as Known Unknowns Karen Kastenhofer Austrian Academy of Sciences, Austria Crafting Ocean Knowledge: Understanding Marine Observation through the Construction of Monitoring Technologies Charlotte Herbertz University of Rostock, Germany Paradoxes of Ignorance: The Role of 'Not Knowing' in the Site Selection for a Repository for Nuclear Waste Alisa Madeleine Hirn WU Vienna University of Economics and Business, Austria Tacit Dimensions in Interfaces – Relational Cognition Stefanie Egger, Christian Lepenik The Invisible Lab, Austria	Connecting FSTS and Human-Centred Design: A Pathway to Practical Implementation for Practitioners Charlotte Reinhardt, Nicola Fricke University of Wuppertal, Germany Responsible Innovation Ecosystems? Realist, Critical and Pragmatist Perspectives Mareike Smolka[1,2], Philipp Neudert[2], Stefan Böschen[2] 1: Wageningen University & Research, The Netherlands; 2: RWTH Aachen University, Germany Understanding the behavioural dimension of Responsible Research and Innovation to foster its implementation Madita Amoneit, Dagmara Weckowska Freie Universität Berlin, Germany Repositioning Responsible Research and Innovation in a Changing Global Landscape Cornelia Reiter, Peter Biegelbauer, Petra Wagner, Rodrigo Conde-Jimenez Austrian Institute of Technology AIT, Austria Reflective learning is where responsible innovation begins Michael Ornetzeder Austrian Academy of Sciences, Austria

		Heat Stress in Low-Income Households in India: A European Researcher's Experiences in Qualitative Interviewing with Interpreters Tania Berger Universität für Weiterbildung Krems, Austria Positive Energy Districts: Alleviating Energy Poverty Across Rural and Urban Communities Jozsef Kadar[1], Marija Jevrić[2] 1: University of Haifa, Israel; 2: University of Montenegro			GAIA Women*s Garden: taking an intersectional approach in transformative research on biodiversity relevant decision-making Sandra Karner, David Steinwender, Anita Thaler IFZ, Austria
6:30pm - 11:00pm	**Social Event** **Rooftop Mensa, Stremayrgasse 16, 8010 Graz**			

Tuesday, 06/May/2025

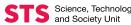| 9:00am - 10:00am	**K.2: Keynote: Harald Rohracher:** The limits of experimentation and upscaling in urban climate transitions; Linköping University, Sweden Location: **Room Styria** Chair: **TBA**				
10:15am - 11:45am	**17.1: Artificial Intelligence and Society: Perspectives from Global South** Sushant Kumar Sovereign AI: National allegory (?) in the use and imagination of Artificial Intelligence in contemporary India Ritam Sengupta O.P. Jindal Global University, India Gender Evaluation of AI Policy in South Asian Countries: A Comparative Analysis Anupama Saxena Guru Ghasidas University, India Employability and Productivity Indicators in India's Healthcare Sector: The Impact of AI Regulations Deep Francis National Innovation Foundation, India The Changing Social Structure of Epistemic Dependence in Scientific Collaborations Andres Felipe Castro Torres[1], Aliakbar Akbaritabar[2], Maurizio Esposito[3] 1: Barcelona Supercomputing Center, Spain; 2: Max Planck Institute for Demographic Research, Germany; 3: University of Milan, Italy	**42: Co-creative approaches (learning spaces) for (agro-)biodiversity-positive and socially just transformative changes** Sandra Karner, David Steinwender, Anita Thaler Two sides of the same coin: exploring destruction and creation for biodiverse landscapes Noortje Marie Keurhorst Post-growth Innovation Lab, Spain Nature-based turn in climate action and co-production of just mangrove knowledge Anita Pinheiro Independent Researcher, India Gaia Gartenberg: Learning about perspectives on diversity and biodiversity in a garden for and by women* David Steinwender, Sandra Karner, Anita Thaler IFZ, Austria	**18.1: Fairness and Artificial Intelligence** Anna Schreuer, Bernhard Wieser, Peter Müllner, Dominik Kowald, Simone Kopeinik Automated Machine Learning and the multiplicity of control Laura Kunz University of Graz, Austria Bringing feminist STS and sociology of categorization into conversation for health equity through medical AI Renate Baumgartner Vrije Universiteit Amsterdam, The Netherlands The Enabling Dilemma of Artificial Intelligence: Analyzing the Use of AI and the Autonomy of Disabled Individuals Narges Naraghi[1], Linda Nierling[1], Matthias Wölfel[2] 1: Institute for Technology Assessment and System Analysis, KIT, Germany; 2: Faculty of Computer Science and Business Information Systems, HKA, Germany Innovating in the Energy Sector: Bridging the Sociotechnical Divide in Machine Learning Fairness George Zoukas, Jonathan Foster The University of Sheffield, United Kingdom	**13: The Future of Digital Humanism: Towards a critical post-post-Humanism?** Erich Prem, Katja Mayer Against digital post-post humanism: from homo mensura to the good digital life Erich Prem Association of Digital Humanism, Austria Re-Situating Digital Humanism: Feminist Epistemology, Critical Posthumanism, and STS Scholarship Katja Mayer[1,2] 1: University of Vienna, Austria; 2: Center for Social Innovation, Vienna Trust and Manipulation in Generative AI: A Digital Humanist Perspective Francesco Striano, Maria Zanzotto Università di Torino, Italy Redefining Digital Humanism: Beyond Regulation in the Era of Tech Feudalism Philip Birkner Private, Austria Nature in the Age of Digitalisation: A Plea for More Digital Humanism Pia-Zoe Hahne, Alexander Schmoelz FH des BFI Wien, Austria	**1.1: Bridging Anticipation and Responsibility in Research and Innovation** Filip Rozborski, Christian Dayé, Gert Goeminne Conceptions of Responsible Innovation and Epistemologies of Future Temporality Sergio Urueña[1,2] 1: University of the Basque Country UPV/EHU, Spain; 2: University of Twente, The Netherlands Reconfiguring Responsibility in Digital Health Innovation: Anticipatory Practices and Professional Roles in IDEA4RC Claudia Egher, Susan van Hees, Wouter Boon Universiteit Utrecht, Copernicus Institute of Sustainable Development, The Netherlands Anticipation, Ethics, and Responsibility as Cognitive and Epistemological Foundations of Disciplines Marija Brajdić Vuković, Ivan Tranfić Institute for Social Research Zagreb, Croatia Imaginations in a Concept; Coalitions and Practices in Conceptualizing Organoids in Germany and the USA Ozan Altan Altinok Leibniz University of Hannover, Germany

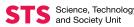|					
	Entangled Dependencies: AI, Global Capitalism, and the Neoliberal Order in Developing Economies Chandraketan Sahu Jindal Global Business School, India			Vulnerability - a new perspective on (digital) humanism ? Barbara Dr. Lorenz FH Joanneum, Austria	
11:45pm - 1:00pm	**Lunchbreak** **Location: Room Engelreich**				
1:00pm - 2:30pm	**17.2: Artificial Intelligence and Society: Perspectives from Global South** Sushant Kumar AI Surveillance in a Class Diverse Nation Soumya Singh Chauhan OP Jindal Global University, India AI Governance in the Global South: a case study of AI Applied Research Centers in Brazil Guilherme Cavalcante Silva York University, Canada AI, Science Diplomacy and the Global South Sneha Sinha Research and Information System for Developing Countries, India Centralised Political Leadership and Algorithmic Governance in India Anuradha Sajjanhar University of East Anglia, United Kingdom	**32: The Role of Circularity in Current and Future Mobility** Kay Kohaupt-Cepera, Marlon Philipp, Antonio Isopp Circularity and the Future of Mobility: Bio-fuels and Energy Efficiency in the Indian Sugar Industry Kanika Balani University of Sussex, United Kingdom Consumers' behaviour and awareness of battery waste recycling: a case study of Delhi and National capital Region households Sanoj Kumar Independent Researcher, New Delhi, India The prospects and challenges to sustainable end-of-life management of electric vehicle batteries: the pathways to circular battery economy in Norway Arian Mahzouni[1], Dora Soldis Asmundardottir[2] 1: Department of Informatics, University of Oslo, Norway; 2: Department of Psychology, University of Oslo, Norway	**18.2: Fairness and Artificial Intelligence** Anna Schreuer, Bernhard Wieser, Peter Müllner, Dominik Kowald, Simone Kopeinik Fair Recommendations in Tourism Anna Schreuer[1], Bernhard Wieser[1], Peter Müllner[2], Simone Kopeinik[3], Dominik Kowald[2] 1: STS Unit, Graz University of Technology, Austria; 2: Know Center and HCC, Graz University of Technology, Austria; 3: Know Center, Austria Can a diversity-sensitive human-centered approach make AI developments fairer? Anita Thaler, Jenny Schlager IFZ, Austria Proposing an adaptive approach to fairness in AI by drawing from Decision Making Under Deep Uncertainty (DMDU) Swaptik Chowdhury[1], Lisa Klautzer[2] 1: Loyola Marymount University, Los Angeles, CA, United States of America; 2: TEZO Analytics LLC, Los Angeles, CA, United States of America	**46: Social Innovation for addressing challenges in biomedicine and pharmaceutical R&D** Conor Douglas States versus Pharmas: Explaining Innovative Drug policies in Brazil and Italy Catherine Moury FCSH, Portugal Pharma Commons – conceptual clarifications and a research agenda Susi Geiger, Tineke Kleinhout-Vliek University College Dublin, Ireland How social pharmaceutical innovation addresses challenges of availability, accessibility and affordability of treatments for rare diseases Conor Douglas York University, Canada Pathways for Development of Advanced Therapy Medicinal Products (ATMPs) in Denmark Lea Skovgaard[1], Sarah Wadmann[2], Zainab Afshan Sheikh[1], Jakob Wested[1] 1: University of Copenhagen, Denmark; 2: VI, Denmark	**1.2: Bridging Anticipation and Responsibility in Research and Innovation** Filip Rozborski, Christian Dayé, Gert Goeminne Understanding Validation as Valuation as a Basis for Anticipatory Governance of Genetics Technologies for Security and Justice Matthias Wienroth Northumbria University, United Kingdom The interrelation between responsibilities and anticipation in (socio-technical aspects of) the Energy transition Sietske Veenman, Maria Kaufmann, kyra de korte Radboud University, The Netherlands Can engineers take more into account? A psychoanalytic take on socio-technical integration research Gert Goeminne Ghent University, Belgium

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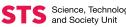|					Responsible Futuring: Recent Experiences with the Futures Wheel as a Didactical Method Filip Rozborski[1,2], Paula De Pablos Sanz[1], Christian Dayé[1] 1: Graz University of Technology, Austria; 2: Maastricht University, The Netherlands
2:30pm - 3:00pm	**Coffee Break** **Location: Lobby**				
3:00 pm - 4:30pm	**23: Neurotechnologies for all?! Rethinking neurotechnologies between neuroenchantment and neuroenhancement** Eugen Dolezal, Thomas Gremsl, Juliane Jarke, Guilherme Maia De Oliveira Wood, Sara Skardelly, Petra Zandonella MemorAI - Neurotechnologies for Dementia. An ethical Perspective Eugen R. Dolezal[1,2], Thomas Gremsl[1] 1: Department of Ethics and Social Studies, University of Graz, Austria; 2: Department of Social Ethics, University of Vienna, Austria MemorAI – a legal perspective on the use of neurotechnology in dementia Petra Zandonella, Elisabeth Staudegger University of Graz, Austria MemorAI - Dementia and Neurotechnologies A neuropsychological perspective Lisa Maria Berger, Guilherme Wood Department of Psychology, University of Graz, Austria Fictional Technofutures of Merging Minds with Machines Wenzel Mehnert Austrian Institute of Technology, Austria	**25: Political and economic values of experimentation in the governance of environmental change** Juliane Miriam Schumacher, Giovanni Bettini Ecological governance: Geopower, natural capital and financialization Juliane Miriam Schumacher Humboldt-Universität zu Berlin, Germany Monitoring, Mapping, and Manipulation for Zero-Deforestation Cocoa: Knowledge Production and Social Control through Multiple Environmentalities Victoria Alice Maguire-Rajpaul Anglia Ruskin University, United Kingdom Failing Forward? Experimentation, failure and the politics of smart climate adaptation Giovanni Bettini[1], Giovanna Gioli[2] 1: Lancaster University, United Kingdom; 2: Bath Spa University, United Kingdom	**3: Navigating the Challenges of Research Ethics in the Age of Emerging Technologies** Claudia Brändle, Maria Maia Weaving the Web in the 21st century: exploring the value of stakeholder participation in the development of an open web search technology Renée Ridgway[1], Daniela Zetti[2] 1: Aarhus University, Denmark; 2: University of Lübeck, Germany Rethinking Responsibility in Research and Innovation: Navigating Paradoxes in Complex Projects When Implementing Equality Measures Karin Grasenick[1], Pilar Romero[2] 1: convelop cooperative knowledge design gmbh, Austria; 2: Centro de Astrobiología – CAB, Spain Participatory and Performative AI Agent Simulations for Public Engagement in AI Governance Denisa Reshef Kera Bar Ilan University, Israel Data ethics And Research Integrity for Trustworthy Neurotechnology Dirk Hommrich Karlsruhe Institute of Technology, Germany	**22: Advancing Theory – Methods packages for Participatory Design in Health Technology Development** Ayush Shukla, Bianca Jansky, Renate Baumgartner Situational participatory design? Exploring synergies between situational analysis and participatory design Renate Baumgartner[1], Tamara Schwertel[2] 1: Vrije Universiteit Amsterdam, The Netherlands; 2: University Hospital Cologne, Germany A participatory data walk to reconstruct the practices of use of diagnostic health apps Heike Gerdes University of Applied Sciences Emden/Leer, Ruhr University Bochum, Germany Participatory Mapping: Mobilizing Actor-Network Theory (ANT) and Situational Analysis (SA) for RRI Research* Ayush Shukla Vrije Universiteit Amsterdam, The Netherlands	**37: Cultivating Participation: Pathways to Shared Innovation** Elisabeth Frankus, Erich Griessler Generosity or the messy ethics of participation Ties van de Werff research centre What Art Knows, Maastricht Institute of Arts, Zuyd University of Applied Sciences, The Netherlands Participatory approaches in techno-scientific innovation in Austria. Experiences and Challenges Erich Griessler, Elisabeth Frankus Institut für Höhere Studien, Austria The GreenTouch project: Exploring Co-Creation at the Intersection of Climate, Health, and Technology Katharina Benedetter[1], Florian Winkler[2], Carina Christin Liersch[2], Lukas Strasser[1] 1: Future Minds, Austria; 2: Institut für Höhere Studien, Austria Traversing cognitive spaces : Material samples for harnessing tacit knowledge | experiences with experimental negotiation methods Stefanie Egger, Christian Lepenik The Invisible Lab, Austria

	Anticipating neurotechnology and AI for people with dementia – a sociological perspective Sara Skardelly, Juliane Jarke University of Graz, Austria	Public-Private Extraction: Rethinking Value in Experimental Governance Gerardus Bukkems[1,2,3,4] 1: Centrum voor Gemeenschapskracht, The Netherlands; 2: Peel Positief, The Netherlands; 3: Global Environmental Champions, Kenya; 4: The Climate Academy, Belgium	Knowledge requirements of research ethics committees with a view to integrating ethics into research and technology development Dr. Maria Maia[1], Bernd Carsten Stahl[2], Etienne Aucouturier[3], Jurate Lekstutiene[4], Tom Lindemann[5], Ana Marušić[6], Antonija Mijatović[6], Elahe Naserianhanzaei[7], George Ogoh[2], Anais Resseguier[7], Eleni Spyrakou[8] 1: Karlsruhe Institute of Technology, Germany; 2: School of Computer Science, University of Nottingham, United Kingdom; 3: Laboratoire de recherche sur les sciences de la matière (LARSIM), France; 4: European Network of Research Ethics Committees, Germany; 5: Luxembourg Agency for Research Integrity (LARI), Luxembourg; 6: University of Split School of Medicine, Croatia; 7: Trilateral Research; 8: National Technical University of Athens, Greece		Electrochemistry for a carbon neutral future: Socio-technical imageries using Q-method Sanghamitra Chakravarty University of Amsterdam, The Netherlands
4:30 pm - 5:00 pm	**Coffee Break** **Location: Lobby**				
5:00pm - 6:30pm	**35: The past, the present and the future of queer STS** Anita Thaler, Magdalena Wicher Queering the Creative Binary? Cultivating Creative Identities in Creative District Projects Nadine Osbild TU Munich, Germany Queer/ing and Trans/ing Feminist Science and Technology (Studies) with the example of Assisted Reproductive Technologies (ART): Insights and Outlooks Doris Leibetseder University Basel, Switzerland	**2: What's next? Challenges of Digital Research Practices, Academic Communication and Shared Research Infrastructures put into Perspective** Nathalie Schwichtenberg, Judith Hartstein Identifying mechanisms to support trust in research practices & the trustworthiness of infrastructures Katharina Flicker[1], Susanne Blumesberger[2], Marie Czuray[1], Andreas Rauber[1], Miguel Rey Mazon[3], Bernd Saurugger[1], Stefan Reichmann[3] 1: TU Wien, Austria; 2: University of Vienna, Austria; 3: Graz University of Technology, Austria	**14: Digital Privacy: Technical Solutions for Social Problems?** Roman Prunč, Bernhard Wieser, Christian Dayé, Lea Demelius, Andreas Trügler Health Data Circulation in France: between public interest and PETs Margo Bernelin CNRS, France A UK perspective on encryption, child safety and client-side scanning Cynthia Ng University of Warwick, United Kingdom	**21: Responsible Innovation and the Future(s) of Healthcare** Lukasz Nazarko, Karine Sargsyan, Zisis Kozlakidis, Rafael Popper Responsible Innovation in Healthcare: Prospective Overview of Key Challenges Lukasz Nazarko[1], Karine Sargsyan[2], Zisis Kozlakidis[3], Rafael Popper[4] 1: Bialystok University of Technology, Poland; 2: Medical University of Graz, Austria; 3: International Agency for Research on Cancer/World Health Organization, France; 4: University of Turku, Finland	**48: Critique in, for, with, and of responsible innovation:** *a roundtable discussion* Mareike Smolka, Tess Doezema, Lucien van Schomberg

Queerfeminist storytelling Katrin Ackerl Konstantin, Rosalia Kopeinig schau.Räume, Austria Sensorium - transforming environmental data into sound Reni Hofmüller esc medien kunst labor, Austria The past, the present and the future of queer STS Anita Thaler, Magdalena Wicher IFZ, Austria	Public communication and role conflicts – The Change of Scholarly Identity through Public Communication Expectations Nathalie Schwichtenberg DZHW, Germany Open science, living documents and the reification of scientific facts Alexander Schniedermann German Centre for Higher Education Research and Science Studies, Germany Imaginary Access Without Limits Michaela Th. Mayrhofer BBMRI-ERIC, Austria Narratives of transparency: How do commercial and non-commercial providers justify research analytics? Stella M. Köchling[1], Anne K. Krüger[2] 1: Deutsches Zentrum für Hochschul- und Wissenschaftsforschung, Germany; 2: Weizenbaum-Institut, Germany Rethinking effective S&T communication towards community-building in Open Science Research Infrastructures: the FOSSR case study Serena Fabrizio, Rita Giuffredi, Alessandra Maria Stilo Research Institute on Sustainable Economic Growth, National Research Council (CNR-IRCrES), Italy	PETs and policy decision making processes Roman Prunč, Bernhard Wieser, Christian Dayé, Lea Demelius, Andreas Trügler	Anticipation in Health Technology Assessment: Integrating Ethics, Sustainability and Participation in HTA Continuing Education for Healthcare Professionals Mie Basballe Jensen, Tom Børsen Aalborg Univarsity, Denmark Emerging Medical Diagnostics (EMeDs) Innovation System in India: The Need for a Responsible Innovation Approach to Address Context-Specific Requirements Nidhi Singh Indo-U.S Science and Technology Forum, India Ethical aspects of Co-Creating XR Technologies for Planetary Health: Insights from the GreenTouch Project Carina Christin Liersch[1], Lukas Strasser[2], Katharina Benedetter[2], Elisabeth Frankus[1] 1: Institut für Höhere Studien, Austria; 2: Future Minds OG, Austria Ethics in the Design of a 'Speaking' Vacuum Cleaning Robot for Fall Detection: Challenges and Solutions Sabine Renate Lehner, Andreas Jakl University of Applied Sciences St. Pölten, Austria Responsible Innovation as a Governance Framework: Case Study of Umbilical Cord Blood Banking in India ASTHA JAISWAL, DINESH KUMAR Central University of Gujarat, India	

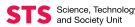## Wednesday, 07/May/2025

9:00am - 10:00am	**K.3: Keynote: Elena Esposito:** *Answer Engines and Other Communication Partners*; Bielefeld University, Germany; University of Bologna, Italy Location: **Room Styria** Chair: **TBA**

| **10:15am - 11:45am**

resp.

10:15am - 12:15pm | **40: From global to local: Enabling inclusive and democratic agri-food system transitions**
Anita Pinheiro, Neha Sehra

Multi-Level Governance in Climate Change Mitigation: A Pathway to Sustainable Development
Daniel Mogaka Makori
Kenyatta University, Kenya

Rethinking Cultivated Meat: Accounting for Animal Futures in the Debate for a Just Food Transition Beyond Hype and Contestation
Arianna Ferrari
AIT, Austria

From the 'Fertile Crescent' to Walmart: Alternative politics for agricultural innovation systems
Arnab Chakraborty, Robert Braun
Institute for Advanced Studies, Austria

Is there Enough? Examining the Acknowledgement of Planetary Boundaries and the role of Sufficiency Narratives as part of the Bioeconomy Discourse
Matthias M. Welker
Helmholtz-Centre for Environmental Research - UFZ, Germany

Gene-edited crops in India: A frame analysis of scientific, public, and policy discourses
Rahul Rauny
IAS-STS, Austria | **33: Boosting Future Visions for Sustainable Mobility**
Filipa Corais

Transitioning to a new culture of mobility: The contribution of the Future Thinking Methodology
Sandra Brito[1], Márcia Silva[2], Filipa Corais[1]
1: Lab2PT-University of Minho; Municipality of Braga, Portugal; 2: CECS-University of Minho; University of Beira Interior, Portugal

Plant-Microbial Fuel Cells: A Promising Technology for Energy Transition
Ana Cristina Rodrigues[1,2,3], Gabriela Dias[1], Virgílio Peixoto[2], Gilberto Martins[3,5], Luciana Peixoto[3,4]
1: proMetheus - Research Unit on Materials, Energy and Environment for Sustainability, Instituto Politécnico de Viana do Castelo, Portugal; 2: CISAS, Centro de Investigação e Desenvolvimento em Sistemas Agroalimentares e Sustentabilidade, Instituto Politécnico de Viana do Castelo, Portugal; 3: Centre of Biological Engineering, University of Minho, Campus de Gualtar, Portugal; 4: BIP4DAB, BioData.pt - Portuguese Infrastructure for Biological Data, Portugal; 5: LABBELS – Associate Laboratory, Braga/Guimarães, Portugal | **20.1: Ageing Technofutures-in-the-Making**
Helen Manchester, Juliane Jarke, Daniel López Gómez, Andreas Bischof, Dagmar Lorenz-Meyer

Datafied ageing futures: Regimes of anticipation and participatory futuring
Juliane Jarke[1], Helen Manchester[2]
1: University of Graz, Austria; 2: University of Bristol, United Kingdom

Cold Care in the Cloud? Re-imagining ageing in (digital) place, opening up "breathing spaces"
Dara Ivanova
TU Delft, The Netherlands

From making user-friendly technologies to making the user technology-friendly – Peer tutors enhancing the use of digital technology and services in later life
Laura Pajula[1], Viivi Korpela[1], Riitta Hänninen[1], Sakari Taipale[1], Juliane Jarke[2]
1: University of Jyväskylä, Finland; 2: University of Graz, Austria

Digitalization as Part of Society: The Perspective of Older Adults
Outi Valkama[1,2,3], Outi Jolanki[1,2,3]
1: Tampere University, Finland; 2: GEREC; 3: Centre of Excellence in Research on Aging and Care | **15: Balancing Innovation and Accountability: Wicked Questions of AI Governance in Digital Sphere.**
Swati Kumari, Raghvendra Singh, Madhu Kumari

Critical AI Literacy and the future of knowledge work
Stefan Strauß
Austrian Academy of Sciences/ITA, Austria

From Compliant Innovation to Innovative Governance: Experimental Regulation with AI Sandboxes in the EU
Michael Gille, Marina Tropmann-Frick
Hamburg University of Applied Sciences, Germany

Towards a Constructive Ethics of Artificial Intelligence
Lucien von Schomberg
University of Greenwich, United Kingdom

Deepfake Technology: Challenges for Embedding Responsibility
Swati Kumari
Radboud University, The Netherlands | **12: Societal impact of digital credentials in education and vocational training**
Alexander Nussbaumer, Carlos Alario-Hoyos, Miguel Morales-Chan, Christian Gütl, Rocael Hernandez |

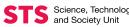|				
	Decolonial Futures in Coffee and Cacao: Bridging Farmers' and Scientists' Assemblages for Sustainable Agroforestry Ida A C Yamaswari University of Sussex, United Kingdom Reimagining Agri-Food Systems: Glocal Perspectives, Prefigurative Technologies, and Grassroots Justice Philip Engelbutzeder University of Siegen, Germany Democratizing the Delphi method: ranking the societal implications of crop gene editing for smallholder farmers Koen Beumer Utrecht University, The Netherlands	Inclusive and Anticipatory Governance for Sustainable Smart Mobility: Three Case Studies from Northern Italy Anna Pellizzone[1], Angela Simone[2] 1: Fondazione Giannino Bassetti ETS, Italy; 2: Fondazione Giannino Bassetti ETS, Italy Assessing pathways for passenger mobility towards decarbonisation and sustainability Oleksii Kashtalian[1], Simon Plakolb[2], Simone Ringhofer[1], Alfred Posch[1], Eva Fleiß[1], Raphaela Maier[1] 1: University of Graz, Austria; 2: University of Oslo, Norway Why value conflicts matter – understanding normative tensions in Transdisciplinary Research on Sustainable Urban Mobility Transition Juliane Rettschlag TU Berlin, Germany Title: A New Approach to Sustainable Development of Airport and Seaport Territories through Citizen Science – HubCities Sanela Pansinger University of Ljubljana, Austria Transition Management, Backcasting and Urban Design as tools for defining a methodology for promoting the Sustainable Urban Mobility Filipa Corais University of Minho, Portugal	Finnish Care Workers' and Experts' Attitudes and Views on the Utilization of Technology in Care Work Outi Valkama[1,2,3], Terhi Lampio[1,2,3], Suvi Mykkänen[1,2], Anu Siren[1,2,3] 1: Tampere University, Finland; 2: GEREC, Finland; 3: Centre of Excellence in Research on Aging and Care, Finland		
12:15pm - 1:45pm	**Lunchbreak** **Location: Room Engelreich**			

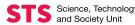|					
1:45pm - 3:15pm	**43: Empowering Citizens: Hubs for Food Data Sovereignty** Maria Schrammel, ilse Marschalek Citizen Engagement and Empowerment in the FOODITY project Samuel Almeida F6S, Portugal	**5: From 'Responsible' to 'Values-Based' - A New Standardisation Paradigm?!** Kai Jakobs, Vladislav Fomin, Andrea Fried, Olia Kanevskaia, Paul-Moritz Wiegmann Smart Systems' Standardisation - Beyond the Technical Kai Jakobs RWTH Aachen University, Germany Innovating Standardisation Education: The EDU4Standards.eu Value-Based Approach Hristina Veljanova[1], Barbara Reiter[1], Elisabeth Staudegger[1], Vladislav Fomin[2], Heike Wendt[1], David Bierbauer[1] 1: University of Graz, Austria; 2: Vilnius University, Lithuania Standardization and Implementation Challenges of Digital Identity Architectures: Bridging Policy and Technology Yoshiaki Fukami Tokyo University of Science, Japan	**20.2: Ageing Technofutures-in-the-Making** Helen Manchester, Juliane Jarke, Daniel López Gómez, Andreas Bischof, Dagmar Lorenz-Meyer When Futures Are Hard to Envision: Methodological Reflections on Collaborative Design with Informal Caregivers Andreas Bischof TU Chemnitz, Germany Building anticipatory design practices with older adults Helen Manchester, Laurene Cheilan, Marisela Gutierrez-Lopez University of Bristol, United Kingdom Anticipating 'AI futures' in healthcare: Centering older adults' perspectives Jana Pannier[1,2], Justyna Stypinska[1,2], Önder Celik[1], Marlene Kulla[1,2] 1: WZB Berlin Social Science Center, Germany; 2: Weizenbaum Institute for the Networked Society, Berlin, Germany Imaginary Futures and Phygital Spaces: Deploying Speculative Design for Alternative Ageing Techno-Futures Romi Mikulinsky[1], Tehilla Shwartz Altshuler[2] 1: Aalto University, Finland; 2: The Israel Democracy Institute, Israel Grassroots Innovations and the Anticipation of Aging Futures: Building Senior Cohousing in Spain Daniel López Gómez Open University of Catalonia, Spain	**6.1: Why have medical ethics documents gained more traction than those for data ethics? The Declaration of Taipei as both a lens for and object of study** Jonathan Edward LoTempio Jr, Chase Yakaboski, Helmut Hönigmayer, Shauna Stack, Magdalena Wicher, Thomas König, Eric Vilain Ethical and legal frameworks shore up an uncertain future of EU-US research data flows Helmut Hönigmayer[1], Jonathan Edward LoTempio[2] 1: Institut für Höhere Studien, Austria; 2: University of Pennsylvania, United States of America Governance success as a maximal negotiation of values Shauna Stack Independent, Germany Quantifying the Impact of Broader Impact Statements in AI/ML Research Venues Chase Alexander Yakaboski Harvard University, United States of America Phishing for solutions to our ethical obligation of data storage Robert Fullem Baylor College of Medicine, United States of America Taipei, Brussels, Washington: US and EU data flow polices as a test for the Declaration of Tapei Rebecca Leigh Yarvitz Independent researcher, United States of America	**34: The Potential of Gender and Intersectional Approaches in the Content of Research: Training of Young Researchers for a More Inclusive Research** Anne-Sophie Godfroy, Clemens Striebing, Anita Thaler Gendered Innovations in Practice: Experiences from Austria and Sweden Sybille Reidl, Helene Schiffbänker, Sarah Beranek, David Walker Joanneum Research, Policies – Institute for Economic, Social and Innovation Research, Austria How Gendered Innovation Practices Can Inform Policy Design Helene Schiffbänker, Sybille Reidl, David Walker, Sarah Beranek Joanneum Research, Policies – Institute for Economic, Social and Innovation Research, Austria Beyond 'green' hydrogen: Imagining feminist energy futures for all Fabiana Schmid, Sarah Demlehner, Waltraud Ernst Johannes Kepler University Linz, Austria Why and how to bring gender and intersectionality in humanities and social sciences ? Ideas for the training of young researchers Anne-Sophie Godfroy[1], Anne Schneider[2] 1: Ecole Normale Supérieure - PSL, France; 2: Université de Caen, France Data Feminism in Media AI Systems: A Workshop Approach Daniella Pauly Jensen Maastricht University, The Netherlands

3:15pm - 3:45pm	**Coffee Break** **Location: Lobby**				
3:45pm - 5:15pm **resp.** **3:45am - 5:45pm**	**4: At the intersection of action research, systems thinking and transition studies – creating spaces for transformative change** Katharina Biely, Erik Laes Co-creating systemic knowledge about energy infrastructure acceptance Marius Rogall, Jan-Hendrik Kamlage Center for Environmental Management, Resources and Energy (CURE), Ruhr-University Bochum, Germany Advancing Sustainability Transformations: Applying Action Research to Shift from Scarcity and Surplus to Abundance Philip Engelbutzeder University of Siegen, Germany A Nexus Approach: Connecting Action research, systems thinking and Transition Theory Katharina Biely, Wim Debacker, Erik Laes VITO Flemish Institute for Technological Research, Belgium Artistic (ArtSci) research creating spaces for transformative change Claus Seibt European School of Governance, Germany	**8: Socio-technical Insights into the Development and Impact of Smart Cities** Anna Domaradzka, Mateusz Trochymiak, Anna Wnuk, Tomasz Oleksy Digital city and disaster twins – towards a critical understanding of cybernetic governance Kathrin Braun University of Stuttgart, Germany Negotiating Social and Environmental Sustainability in Vienna's Housing Sector: Perspectives from Collaborative and Social Housing Petr Kodenko Kubala Institute of Sociology, Czech Academy of Sciences, Czech Republic Rethinking Ethics and Inclusion of Urban Innovation Pilots in the 'Pilot Society' Kaisa Schmidt-Thomé[1], Anna Björk[1], Bhuvana Sekar[1], Neeltje Pavicic[2] 1: Demos Helsinki, Finland; 2: City of Amsterdam, The Netherlands	**19 Digital technologies and social services in the welfare state** Daniela Boehringer, Tanja Klenk Enacting Trust in Estonian digital identification and e-governance platforms. Oisin Miguel O'Brien Leuphana University of Luneburg, Germany Social Rights – digitalisation and third sector organisations Bettina Leibetseder[1], Silke Bothfeld[2] 1: HAW Landshut, Germany; 2: HS Bremen, Germany Digitalisation of the German pension system – opportunities and challenges Carla Greubel[1], Anja Eder[1], Juliane Jarke[1], Jan Heilmann[2], Tanja Klenk[2] 1: University of Graz, Germany; 2: Helmut-Schmidt-Universität Hamburg, Germany Algorithm Aversion in Practice – Insights and Strategies Pascal de Vries, Igor ter Halle Windesheim University of Applied Sciences, The Netherlands Infrastructuring openness. Practices and politics of opening government data for creating public value Astrid Mager Austrian Academy of Sciences, Austria	**6.2: Why have medical ethics documents gained more traction than those for data ethics? The Declaration of Taipei as both a lens for and object of study** Jonathan Edward LoTempio Jr, Chase Yakaboski, Helmut Hönigmayer, Shauna Stack, Magdalena Wicher, Thomas König, Eric Vilain	**30: Exploring Hydrogen Futures: Sociotechnical Pathways and their Implications.** Paula De Pablos Sanz, Filip Rozborki, Michael Kriechbaum, Soma Rahmani, Peter Obersteiner Evolving expectations for low-carbon technologies in the EU policies: Lessons and prospects for hydrogen Anastasia Pavlenko Central European University, Austria Energy Orientalism: Identifying a power-knowledge dispositive in international energy transitions Fabio Schojan[1,2] 1: Wuppertal Institut, Germany; 2: University of Agder, Norway Reimagining Energy Policy: The Interplay of Technological Optimism and Patriarchy Sabine Loos Center for Responsible Research and Innovation, Fraunhofer IAO, Germany The Sociotechnical Challenges of Scaling Green Hydrogen: Economic, Ethical, and Policy Pathways Anthony Halog, Freya Yang School of Environment/The University of Queensland, Australia, Corvinus University of Budapest/Institute for Advanced Studies, Hungary

	The Social Learning Promise: A Critical Look at Participative Workshops in Sustainability Science Jakub Mácha[1,2], Anna Bromová[1,3], Zuzana Harmáčková[1] 1: Global Change Research Institute of the Czech Academy of Sciences, Czech Republic; 2: Faculty of Humanities, Charles University, Prague, Czech Republic; 3: Faculty of Social Sciences, Masaryk University, Brno, Czech Republic				
6:00pm - 6:15 pm	**Closing** Location: **Room Styria** Chair: **Günter Getzinger**, Graz University of Technology, Austria				