

Monday, 03/May/2021

- 9:00am - 10:00am** **Conference Opening by Günter Getzinger**
Head of Science, Technology and Society Unit, TU Graz, Austria
Keynote 1
Do digital platforms have politics? Future(s) of Democracy in the Era of Artificial Intelligence
Petra Schaper-Rinkel, University of Graz, Austria
Chair: **Bernhard Wieser**, Graz University of Technology, Austria
- 10:15am - 11:45am** **A.2: In- and Outside Open Science**
Session Chair: **Niels Taubert**, Bielefeld University, Germany
Session Chair: **Eva Barlösius**, Leibniz Universität Hannover, Germany
- Explaining field specific forms of sharing - the influence of epistemic conditions on mechanisms of knowledge integration**
Theresa Velden
DZHW (Zweigstelle Berlin), Germany
- The Epistemology of Open Science**
Stefan Reichmann
Graz University of Technology, Austria
- Future society: Open science as driver and enabler of societal change**
Eva Barlösius¹, Niels Taubert²
¹Institut für Soziologie, Leibniz Universität Hannover; ²Institute for Interdisciplinary Studies of Science, Universität Bielefeld, Germany
- 10:15am - 11:45am** **B.1: Social Innovation cha(lle)nging Digital Urban Governance**
Session Chair: **Chiara Certoma**, University of Turin, Italy
- Right to the better city from the grassroots to smarter policies**
Anna Domaradzka, Anna Wnuk
University of Warsaw, Poland
- Evolution of Trust in the Domain Name System (DNS)**
Pouyan Fotouhi Tehrani
Weizenbaum Institute/Fraunhofer FOKUS, Germany
- Place-based re-politicisation of socio-digital entanglements in urban governance. A collectively designed critical research agenda on Digital Social Innovation**
Chiara Certoma
University of Turin, Italy
- 10:15am - 12:15pm** **B.11: Algorithmic inequality. Intersectional divisions in the digital society**
Session Chair: **Paola Lopez**, University of Vienna, Austria
Session Chair: **Florian Eyert**, Weizenbaum Institute, Germany
- "Computer Says No": Algorithmic Decision Support and Organisational Responsibility**
Angelika Adensamer¹, Lukas Daniel Klausner²
¹University of Graz; ²St. Pölten University of Applied Sciences, Austria
- The privilege of anger. Speculating about Embedded Bias in Voice Assistants**
Natalie Sontopski
Hochschule Merseburg, Germany
- Framing bias in AI policy: diagnosis & prescriptions**
Inga Ulnicane, Aini Aden
De Montfort University, United Kingdom
- Mapping Gordian Knots in Developing Fair ML Tools for Medicine and Healthcare**
Renate Baumgartner
Eberhard Karls Universität Tübingen, Germany
- Why ethic guidelines are not enough, or how current critique of digital data technologies preserves power**
Bianca Prietl
Johannes Kepler University Linz, Austria

10:15am - 12:15pm C.4: Energy policy advice: What kind of scientific advice is needed to support the sustainability transition of energy systems?

Session Chairs: **Leo Capari, Michael Ornetzeder**
 Austrian Academy of Sciences, Austria
 Session Chair: **Jürgen Suschek-Berger**, IFZ, Austria

Challenges and synergies for the local energy transition in the Netherlands and Hawaii

Karina Vink¹, Layla Kilolu²
¹University Twente, The Netherlands; ²University of Hawaii at Manoa, United States of America

Who Owns the Wind? Wind Theft as a New Challenge for the Sociology of Not Knowing

Marco Sonnberger^{1,2}, Matthias Gross^{1,3}, Daniel Horn¹
¹University of Jena, Section of Environmental Sociology; Germany ²University of Stuttgart, Center for Interdisciplinary Risk and Innovation Studies (ZIRIUS); Germany ³Helmholtz Centre for Environmental Research (UFZ), Department of Urban and Environmental Sociology, Germany

Policy advice for the development of a hydrogen economy; strengthening the role of techno-economic assessment as a means of supporting energy transitions

David Walwyn
 University of Pretoria, South Africa

From models to policies - Energy System Modelling at the science-policy interface

Leo Capari¹, Anja Bauer², Daniela Fuchs¹, Titus Udrea¹

¹Austrian Academy of Sciences, Austria; ²Alpen-Adria-Universität Klagenfurt, Austria

Technology Assessment in the context of the energy transition

Michael Ornetzeder
 Austrian Academy of Sciences, Austria

12:15pm - 1:00pm Lunch Break**1:00pm - 4:15pm A.3: How responsible is your research? RRI in making and doing**

Session Chair: **Julian Anslinger, Sandra Karner** IFZ, Austria

Co-creating responsible innovations. Reflecting on insights from user-company collaborations

Sarah-Kristina Wist¹, Wilfried Konrad¹, Rainer Kuhn¹, Gabriela Ayala Jarrin², Teresa Iglesias Lopez²

¹Dialogik GmbH, Germany; ²Institute for Managing Sustainability, WU Vienna University of Economics and Business, Austria

Universities, the categorical imperative and responsible research

Slobodan Arsovski, Mirek Dymitrow, Rene Brauer
 Chamber of Certified Architects and Engineers, Republic of North Macedonia

Ensure Value Sensitive Design Responsibly for Social Sustainability: A case of E-Vehicle Design in Delhi, India

Swati Kumari, Madhu Kumari, Rajbeer Singh
 Jawaharlal Nehru University, India

Transdisciplinary Approaches to tackle Societal Issues in the realm of Artificial Intelligence

Julian Anslinger, Anita Thaler
 IFZ Graz, Austria

Virtual Reality Training: A human-technology-reflection loop as precondition for responsible innovation processes

Elisabeth Frankus, Anna Gerhardus, Julia Schmid
 Institute for Advanced Studies, Austria

Agent-based modeling approach to studying Innovation Value Chains

Evgueni Vinogradov, Are Jensen, Nhien Nguyen
 Nordland Research Institute, Norway

Transformative Potential of Citizen science for Social Research Democratisation: comparing perspectives of citizen scientists and scientist from academia

Egle Butkeviciene, Balint Balazs
 Kaunas University of Technology, Lithuania

A.5: Connecting.Ideas4Research

Session Chairs: **Harald Kleinberger-Pierer, Matthias Werner**
FH JOANNEUM, Graz, Austria

"Connecting.Ideas4Research" - Introduction into the main topics of the conference session

Matthias Werner, Harald Kleinberger-Pierer
FH JOANNEUM, Graz, Austria

Responsible research and innovation (RRI) measures in the additive manufacturing webs of innovation value chains

Brigitte Kriszt¹, Izaskun Jimenez Iturriza², Beatrix Wepner³, Andrea Kasztler³, Marianne Hörlesberger³

¹Montanuniversitaet Leoben; ²Tecnalia - Fundacion Tecnalia Research & Innovation; ³AIT Austrian Institute of Technology, Austria

Regional Development with RRI Approach

Marianne Hörlesberger
AIT Austrian Institute of Technology, Austria

Digital ethics in practice: Implementing ethical principles to guide participatory use of videorecordings in higher music education

Elizabeth Bucura, Silke Kruse Weber
University of Music and Performing Arts Graz, Austria

From Mechanical Turks to Open Science: Reflections on Crowdsourcing in Science with aHistorical Approach

Harald Kleinberger-Pierer
FH JOANNEUM, Graz, Austria

Implementing a crowdsourcing process in the field of physiotherapy to support innovation

Michael Suppanz¹, Sabrina Moro¹, Beate Salchinger²

¹Fachhochschule Kärnten, Austria ²Fachhochschule Joanneum Graz

Build it, fly it, share it! - Challenging drone narratives in online communities of practice

Kevin Weller
Technical University of Munich, Germany

Reach more than one target group: bamboo as the new wood?

Tim Wakonig-Lüking, Stefanie Weinrauch
FH JOANNEUM, Graz, Austria

Digital Ethics as research ethics: implications for research practices and research organisation

Matthias Werner
FH JOANNEUM, Graz, Austria

Closing discussion: Open Science and Research Ethics: Crossing the Streams?

Matthias Werner, Harald Kleinberger-Pierer
FH JOANNEUM, Graz, Austria

1:00pm - 4:15pm**B.8: Robots and the (Dis)simulation of the Human World**

Session Chair: **Heesun SHIN**, Korea Advanced Institute of Science and Technology (KAIST), Korea, Republic of South Korea

Robotising Social Spaces: New Sites of Affective Relationality in Care

Giulia De Togni
University of Edinburgh, United Kingdom

Robots in Virtual Disasters: The Role of Fieldwork and Test Fields in Disaster Robotics

Heesun SHIN
Korea Advanced Institute of Science and Technology (KAIST), Korea, Republic of South Korea

Humatic Walking: How Robots Simulate and Produce Walking with Paraplegics

Miryang Kang, Chihyung Jeon
KAIST, Korea, Republic of South Korea

Everyday Life Centered Approach (ELCA): Sociological Perspectives on Agent-like Robotic Systems

Glenda Hannibal, Astrid Weiss
TU Wien, Austria

Simulating the Healthy Body: How Exoskeletal Devices Invent New Forms of Capability in Rehabilitative Environment**Denisa Butnaru**

Universität Konstanz, Germany

Standardisation & Service Efficiency: A Video-Based Study of Two Robotic Hotels in China**Xinzhi XU**

The Chinese University of Hong Kong, China

Saving Private Medipecp or not? The aborted adoption of a "medical assistant" robot in a French old people's home**Martin Chevallier**

EHESS, France

Gender and Feminist Aspects in Robotics and HRI**Anna Pillinger**

WU Wien, Austria

Empowering users by co-producing a bedside cuddly soft robot: a case study from a Japanese nursing home**Kazuko Obasyashi^{1 2 3}, Naonori Kodate^{2 4 5 6 7}, Shigeru Masuyama^{2 8}**¹Social Welfare Corporation Tokyo Seishin-kai, Japan; ²Universal Accessibility & Ageing Research Centre, Japan; ³Nihon Fukushi University, Japan; ⁴University College Dublin, Ireland; ⁵Hokkaido University, Japan; ⁶University of Tokyo, Japan; ⁷L'Ecole des hautes etudes en sciences sociales, France; ⁸Tokyo Medical University, Japan**1:30pm - 3:00pm****B.10: Models, Simulations & Algorithms - Policy Support in the Digital Age**Session Chair: **Anja Bauer**, Alpen-Adria University Klagenfurt, AustriaSession Chair: **Leo Capari**, Institute of Technology Assessment of the Austrian Academy of Sciences, Vienna, AustriaSession Chair: **Daniela Fuchs**, BOKU Vienna, AustriaSession Chair: **Titus Udrea**, Institute of Technology Assessment of the Austrian Academy of Sciences, Vienna, Austria**Between hard numbers and argumentation tools: the roles of models in EU's Sustainability Impact Assessments****Titus Udrea¹, Daniela Fuchs¹, Anja Bauer², Leo Capari¹**¹Institute of Technology Assessment of the Austrian Academy of Sciences, Austria;²Department of Science, Technology and Society Studies, Alpen-Adria-Universität Klagenfurt, Austria**Outsourcing Sovereignty? Examining the Business behind Automated Decision Systems****Gernot Rieder, Catharina Rudschies**

Universität Hamburg, Germany

Changing risk governance? The ambivalent case of modelling the risks of nanomaterials**Daniela Fuchs¹, Anja Bauer², Leo Capari³, Titus Udrea³**¹BOKU Vienna, Austria; ²Department of Science, Technology and Society Studies, Alpen-Adria-Universität Klagenfurt; Austria**'Crisis', Control, and Crimmigration: Biometrie Surveillance in the Policing of Migration****Nina Amelung¹, Matthias Wienroth²**¹Lisbon University, Portugal; ²Northumbria University, United Kingdom**1:30pm - 3:00pm****B.6: Digital Platforms and the Transformation of Public Communication**Session Chair: **Jan-Felix Schrape**, University of Stuttgart, Germany**Inverted Crowd-Control: Integrated online participatory videos and the struggles of keepingthem alive****Kevin Weller¹, Michael Holaschke²**¹Technical University of Munich, Germany; ²Katholische Universität Eichstätt, Germany**Do locative media platforms change communication patterns in urban public places?****Eric Lettkemann**

TU Berlin, Germany

Pushing crime prevention: Apps to make citizens responsible for crime?**Selma Lamprecht**

Fraunhofer FOKUS, Germany

The geography of knowledge landscapes - how to navigate toward health in the digital environment**Srecko Gajovic**

University of Zagreb School of Medicine, Croatian Institute for Brain Research, Zagreb, Croatia

Goodbye World. On the incommensurability of technical and meaning processing communication**Ronald Staples, Siglinde Peetz, Vincent Steinbach**

FAU Erlangen - Nürnberg, Germany

3:30pm - 6:15pm**C.7: Sustainability transitions and institutional change**Session Chair: **Michael Kriechbaum**, Graz University of Technology; University of Graz, Austria**Insights into experimental practice. The ambivalence of standardization and flexibility of regulatory experiments****Daniel Feser¹, Simon J. Winkler-Portmann², Thore Sören Bischoff³**¹Chair for Economic Policy and SME Research, Georg-August-University of Goettingen, Germany; ²Darmstadt University of Applied Sciences, Germany; ³Institute for Small Business Economics at the Georg-August-University Goettingen, Germany**Barriers and opportunity for efficient waste collection in Switzerland****Anton Sentic, Virgile Pasquier**

University of Fribourg, Switzerland

The role of fossil-fuel incumbents & the reorientation of their business models in the energy transition**Nay Karam**

University of Sussex - Science Policy Research Unit, United Kingdom

Sustainability Transitions and Deep Institutional Innovation**Ian Hughes¹, David Winickoff²**¹MaREI, Environmental Research Institute, University College Cork, Ireland; ²Science and Technology Policy Division, Directorate for Science, Technology and Innovation, OECD, Paris, France**The troubles of low-carbon transitions and additions. Discourse analysis of entrepreneurs' narratives in Burkina Faso and Togo****Roberto Cantoni**

Science Policy Research Unit (SPRU), Jubilee Building, University of Sussex, United Kingdom

Diffusion barriers of sustainably cooled housing in Vienna - A sectoral innovation system analysis**Therese Guttmann**

Austrian Institute of Technology, Austria

Digital Organising Logics and their Symbolic Grounding: The Case of Information Standards**Jo Ann Brooks**

Brooks 360 Research, United States of America

3:30pm - 6:45pm**B.9: Digitalisation and Work: Perils and Promise**Session Chairs: **Darian Meacham, Robert Gianni**, University of Maastricht, The Netherlands**A relational perspective on digital labour and future scenarios of platform-based work****Tim Franke, Christoph Heckwolf, Katharina Schäfer, Jannis Gruss**

Rheinisch-Westfälische Technische Hochschule Aachen (RWTH Aachen), Germany

Does Working from Home Really Improve the Life-Work Integration? Gender Gaps and Differences between Recognised and Non-Recognised Home Working Time**Alexandra Mergener², Timothy Rinke³, Ines Entgelmeier¹**¹Federal Institute for Occupational Safety and Health, Germany; ²Federal Institute for Vocational Training; ³University Duisburg-Essen, Germany**Emotional labour in the development of data-driven technologies in private-public partnerships****Marta Choroszewicz**

University of Eastern Finland, Finland

The introduction of digital state-citizen interfaces: the effects of digital transformation on local governance**Iris Steenhout, Lior Volinz**

Vrije Universiteit Brussel, Belgium

Has incredible dr. Pol reached his due-date? How data-driven technologies affect veterinarians' accountability practices**Berber Pas¹, Lucas Introna², Rinske Wolters¹, Ed Vosselman¹**¹Radboud University Nijmegen, Netherlands, The; ²Lancaster University, United Kingdom**The MBA programme of Industry 4.0 profile at the SUT as an example of different educational forms organised within the STS (science-technology-society) scheme****Matgorzata Dobrowolska¹, Anna Pieloch¹, Adam Wawoczny²**¹Silesian University of Technology (SUT), Poland; ²Union of Municipalities and Districts of Western Sub-region of the Śląskie Voivodeship, Poland**The Emerging Technology of Autonomous Cars: Issues of Social Engagement and Co-production****Matina Loukea, Stathis Arapostathis**

National and Kapodistrian University of Athens, Greece

Out of Control: Work Practices and Technology Experience in Connected and Automated Production Environments**Thomas Meneweger^{1,2}, Verena Fuchsberger²**¹University of Graz; ²Universität Salzburg, Austria**In search of successful implementation of assistive technologies in care sector: Applying a framework for Responsible Research and Innovation****Naonori Kodate^{1,4,6,7,8}, Kazuko Obayashi^{2,4,5}, Shigeru Masuyama^{3,4}**¹University College Dublin, Ireland; ²Nihon Fukushi University, Japan; ³Tokyo Medical University, Japan; ⁴Universal Accessibility & Ageing Research Centre, Japan; ⁵Social Welfare Corporation Tokyo Seishin-kai, Japan; ⁶University of Tokyo, Japan; ⁷L'Ecole des hautes etudes en sciences sociales, France; ⁸Hokkaido University, Japan

Tuesday, 04/May/2021

9:00am - 10:00am **Keynote 2**
The Sustainable Transformation of Cities: Anticipation, Experimentation and Governance
Mathias Weber, AIT Austrian Institute of Technology, Austria and Universite Gustave Eiffel, France
 Chair: **Jürgen Suschek-Berger**, Interdisciplinary Research Centre for Technology, Work and Culture (IFZ), Austria

10:15am - 11:45am **B.5: The Digitalisation of Markets and Big Data as a Threat to a Democratic Society**
 Session Chair: **Viktoria HSE Robertson**, University of Graz; Vienna University of Economics and Business, Austria

Epistemic power shifts created in behavioural predictions of online platforms**Erich Prem**^{1 2}¹ eute ma, Austria; ²Vienna University of Technology, Austria**European policy against political disinformation****Iva Nenadic, Milica Vuckovic**

Faculty of Political Science, University of Zagreb, Croatia

Platforms, commercial APIs and the right to privacy**Maruska Nardoni**

Faculty of Social Sciences, University of Ljubljana, Slovenia

Should online political micro-targeting be a European competition law concern?**Viktorija Morozovaite, Anna Gerbrandy**

Utrecht University, The Netherlands

10:15am - 11:45am **C.1: Just transitions, whole systems, and the lived experiences of decarbonisation pathways**

Session Chair: **Benjamin Sovacool**, University of Sussex, United Kingdom**Unattainable proximity: Solar power and peri-urbanity in central Burkina Faso****Roberto Cantoni**¹, **Lea Svenningsen**², **Safietou Sanfo**³¹Science Policy Research Uni! (SPRU), Jubilee Building, University of Sussex, Falmer, Brighton, United Kingdom; ²Department of Food and Resource Economics (IFRO), Københavns Universitet, Denmark;³WASCAL Competence Center, Ouagadougou, Burkina Faso, Africa**Decarbonisation and its discontents: A critical justice perspective on four low-carbon transitions****Benjamin Sovacool**

University of Sussex, United Kingdom

Energy Democracy: A Digital Future?**Emily Judson, Iain Soutar, Oscar Fitch-Roy**

University of Exeter, United Kingdom

Towards Low-Carbon Energy Systems: product innovation from Scandinavian companies**Jaqueline de Godoy**

Aalborg University, Denmark

Singular steel visions: Energy justice in low-carbon industry transitions**Valentin L. Vogl**

Lund University, Sweden

12:00pm - 1:00pm **Lunch Break**

1:00pm - 4:15pm **A.1: Governance, Leadership and Stakeholder Engagement for Sustainable Transition**

Session Chair: **Renuka Thakore**, University College of Estate Management, United Kingdom**Delphi Method for Consensus Building in Systems-thinking, Transdisciplinary and Sustainability Research****Renuka Thakore**

University College of Estate Management, United Kingdom

Practices in sustainability transitions: Review, reflections, and research directions**Elisabeth Marie Cassidy Svennevik**

University of Oslo, Norway

A virtual deliberative public engagement study on heritable genome editing among South Africans: study protocol**Donrich Thaldar**

University of Kwazulu-Natal, South Africa

What is the role of governance on the real estate market in China?**Chunmei LIU**

UTC-Costech, France

Grassroots circularity and the local communities potential for enabling socially sustainable solutions**Anna Domaradzka, Magdalena Roszczynska-Kurasinska**

University of Warsaw, Poland

Developing Local Woman's Economic Resilience in the Ex-Post River Flood Disaster through the Participatory Empirical Approach of FGDs and SMEs -Based "Sustainable Resilience Patternin Actions" in West Timorese Female Land, Indonesia**Apolonia Diana Sherly da Costa**

Catholic University of Soegijapranata, Semarang City, Indonesia

1:00pm - 4:15pm

B.2: Digitalisation of higher education: revolutionising education or the digitalisation of traditional solutions?Session Chairs: **Zsuzsanna Gering, Gabor Kiraly**

Future of Higher Education Research Centre at Budapest Business School, Hungary

Session Chairs: **Bernhard Wieser, Christian Dayé**

Graz University of Technology, Austria

Sharing what was learnt, about future-proofing professional education, from a study that examined how sets of professional digital requirements and the content & delivery of a programmed of social work education coalesced to support student digital development in preparation for profession practice in a world that is enmeshed with the digital**Amanda M L Taylor-Beswick**

Lecturer in Social Work, United Kingdom

Construction Practices of Open Educational Resources in Digital Infrastructure Systems**Johannes Hiebl**

DIPF | Leibniz Institute for Research and Information in Education, Germany

The purpose(s) of learning and the digitalisation of higher education**Gabor Kiraly, Zsuzsanna Gering**

Future of Higher Education Research Centre at Budapest Business School, Hungary

New Perspectives on Interaction in Higher Education Digital Learning Scenarios**Mia Magdalena Bangerl, Franziska Gürtl**

TU Graz, Austria

A Digital Technology Assessment Lecture - Chances and limits of digitalisation for Technology Assessment (TA) lectures for engineering education**Mahshid Sotoudeh¹, Dennis Appelt², Walter Peissl¹, André Gzásó¹**¹Austrian Academy of Sciences, Austria; ²Technical University of Munich, Germany**I know where I'm going: new paths in online assessment methodologies****Maria del Mar Sanchez Ramos¹, Carmen M^a Cedillo Corrochano²**¹University of Alcalá; ²Alfonso X El Sabio University, Spain**Digitization and research work: a post-time politics****Emilia Araujo¹, Susana Figueiredo², Liliana Castaneda Renteria³**¹University of Minho; ²University of Minho; ³University of Guadalajara**The role of influencers on young people and its consequences for the development of teaching competence in nutrition and consumer education****Ines I. Waldner¹, Lisa M. Mittischek², Sabine Klinger²**¹University College of Teacher Education Styria, Institute for Secondary Teacher Education;²University of Graz, Austria

1:00pm - 4:15pm

B.3: Digitalization as a Transformational Force for Transcultural Communication

Session Chairs: **Stefan Baumgarten, Michael Tieber**
University of Graz, Austria

Uberization of Translation: Impacts on Working Conditions

Gökhan Firat
University of Surrey, United Kingdom

Measuring the value of human translation in the time of digitalisation--but for whom?

Akiko Sakamoto
University of Portsmouth, United Kingdom

From the Booth as Cage to the Platform as Shared World: Reflections on Conference Interpreters as Lived Bodies in Digital Transcultural Communication

Şebnem Bahadır
University of Graz, Austria

Job profiles and required competences in the age of post-editing

Jean Nitzke^{1,2}, Silvia Hansen-Schirra¹, Anke Tardel¹
¹Johannes Gutenberg-Universität Mainz, Germany; ²University of Agder, Norway

Translation and machines: artifacts, instruments and the evolving role of the translator

Celia Rico
Universidad Europea, Spain

Using SCOT for the study of Human-Computer Interaction in literary translation: a proactive and flexible approach

Paola Ruffo
Heriot-Watt University, United Kingdom

Do we need a social licence to operate in translation?

Joss Moorkens
Dublin City University, Ireland

Translation Machines and the Anthro-Politics of Translation Studies: A Polemic

Tomasz Rozmyslowicz
Johannes Gutenberg-University Mainz, Germany

1:00pm - 4:15pm

D.3: Let's talk about money, sister! - Governance strategies for structural change in science and research

Session Chairs: **Anita Thaler, Sandra Karner**
Interdisciplinary Research Centre for Technology, Work and Culture (IFZ), Austria
Session Chair: **Jennifer Dahmen-Adkins**, RWTH Aachen, Germany

Relevance of funding for structural change and its limitations

Angela Wroblewski
Institute for Advanced Studies, IHS, Austria

The hidden potential: Gender in research funding of strong innovators

Anita Thaler¹, Sandra Karner¹, Hana Himi², Maya Ashkenazi², Madlen Baumert³, Janne Haack^{3,1}
Interdisciplinary Research Centre for Technology, Work and Culture (IFZ), Austria; ²Beit Berl Academic College, Israel; ³Fraunhofer Institute for Manufacturing Technology and Advanced Materials Bremen, Germany

Learning from the feminist movement: why money matters for gender equality?

Irene Garcia Muiioz, Maria Lopez Beloso, Maria Silvestre Cabrera
University of Deusto, Spain

European research funding organizations: change agents for gender equality in research? Helene Schiffbänker¹, Liisa Husu², Helen Peterson², Florian Holzinger¹

¹Joanneum Research, Austria; ²Örebro University, Sweden

A Community of Practice and Gender Budgeting in research and higher education organisations

Laufey Axelsdóttir, Finnborg Salome Steinl>6rsd6ttir, Þorgerður Einarsdóttir
University of Iceland, Iceland

Budgeting for equality in RPOs'

Tindara Addabbo
University of Modena & Reggio Emilia, Italy

Gender equality and social justice in funding, European excellence': The case of the European Research Council**Barbara Hoenig**
University of Graz, Austria**A practical experience of gender mainstreaming in research funding: small but flexible****Donia Lasinger**
Vienna Science and Technology Fund (WWTF), Austria**1:00pm - 3:15pm****A.4: Open Science: Closing the Gap between Scientific Expertise and Policy- Making?**Session Chairs: **Bernhard Wieser, Stefan Reichmann**
Technical University of Graz, Austria**Open data practices out of the spotlight: what we can learn from initiatives that collect data on the socio-political and economic impacts of the pandemic and its management****Katja Mayer**
Universität Wien, Austria**Matthew effects in Open Science?****Tony Ross-Hellauer^{1,2}, Stefan Reichmann¹, Nicki Lisa Cole^{1,2}, Angela Fessi², Thomas Klebel², Nancy Pontika³**¹TU Graz, Austria; ²Know-Center GmbH, Austria; ³Open University, United Kingdom**Some challenges of new Open Science strategy for R&D evaluation systems: The case of Slovenia****Franc Mali**
University of Ljubljana - Faculty of Social Sciences, Slovenia**Can Open Science close the evidence-policy-gap?****Stefan Reichmann, Bernhard Wieser**
TU Graz, Austria**3:30pm - 5:00pm****B.13: Open and collaborative forms of organisation for the production of knowledge and material artefacts in the Global South**Session Chair: **Tobias Reinauer**, Danish Technical University, Denmark**Makerspaces in Sub-Saharan Africa from the founders' perspective: what, why and how?****Lucia Corsini¹, Mayamiko Nkoloma², Ndifanji Namacha³**¹University of Cambridge, United Kingdom; ²University of Malawi The Polytechnic, Malawi; ³Malawi AIDS Counselling and Resource Organisation; Africa**Charitable Communities: Between Helping Hands and Techno Imperialism****David Seibt**
Technical University of Berlin, Germany**Building niches through ICT: evidence from a community of small wind turbine developers****Tobias Reinauer, Ulrich Eimer Hansen**
UNEP DTU Partnership; Department of Technology, Management, and Economics; Danish Technical University, Denmark

Wednesday, 05/May/2021

- 9:00am - 10:00am** **Keynote 3**
Addressing gender bias and discrimination in Artificial Intelligence
Corinna Bath, TU Braunschweig, Germany
 Chair: **Anita Thaler**, Interdisciplinary Research Centre for Technology, Work and Culture (IFZ), Austria
- 10:15am - 11:45am** **B.4: Standardisation and the Digital Society**
 Session Chair: **Karen McGregor Richmond**, Danish National Research Foundation Centre of Excellence for International Courts, Denmark
- Should We Trust Automated Vehicles? Developing European Standards for Trustworthy Automated Vehicles**
Hristina Veljanova, Thomas Zenkl
 University of Graz, Austria
- 'Open Source' Investigatory Standards and the 'Berkeley Protocol'**
Karen McGregor Richmond
 Danish National Research Foundation Centre of Excellence for International Courts, Denmark
- Critically reviewing smart home technology applications and business models in Europe**
Dylan Furszyfer
 University of Sussex, United Kingdom
- The missing standards and norms in the development of automated urban heritagepreservation risk monitoring system**
Vladislav Fomin, Rimvydas Lauzikas, Tadas Ziziūnas
 Vilnius University, Lithuania
- 10:15am - 11:45am** **C.5: Frames, imaginaries, and storylines in European shale gas futures**
 Session Chair: **Benjamin Sovacool**, University of Sussex, United Kingdom
- Fracking and BECCS Discourses: A Comparative Case Study**
Karolina Trdlicova
 University of Nottingham, United Kingdom
- Humanizing hydrocarbon frontiers: the "lived experience" of shale gas fracking in the United Kingdom's Fylde communities**
Benjamin Sovacool
 University of Sussex, United Kingdom
- Shale gas imaginaries and state agency in the emerging global gas production network**
Abigail Noelle Martin
 Sussex University, British Indian Ocean Territory, United Kingdom
- The resonance of shale development policy frames amongst UK publics and communities**
Laurence Williams, Abigail Martin
 University of Sussex, United Kingdom
- 10:15am - 11:45am** **G.1: Cultures of Prediction**
 Session Chair: **Christian Dayé**, Graz University of Technology, Austria
- Hazy Skies, Uncertain Futures: Technopolitics of Air Quality Forecast in South Korea**
Sungeun Kirn
 KAIST, Korea, Republic of South Korea
- Predicting and shaping socio-technical futures - the case of scientific-technologic narratives**
Michael Eggert, Axel Zweck
 RWTH Aachen University, Germany
- Cultures of prediction, theoretically enhanced: How the concept of cultures of prediction can profit from a more serious engagement with previous thinking on culture**
Christian Dayé
 Graz University of Technology, Austria

12:00pm - 1:00pm **Lunch Break**

- 1:00pm - 4:15pm D.1: Inequalities in Higher Education: (intersecting) theoretical, empirical, and practical examinations**
 Session Chairs: **Katarina Froebus, Lisa Scheers, Susanne Kink, Iris Mendel**
 University of Graz, Austria
- Time to PhD**
Emília Araujo
 University of Minho, Portugal
- Improving equality in scientific careers: The Care Factor proposal**
Giampietro Gobo
 University of Milan, Italy
- Exploring gender bias in Austrian education: Seeing what students are exposed to**
Lucija Krusic¹, Barbara Schuppler¹, Martin Hagmüller¹, Simone Kopenik²
¹Graz, University of Technology; ²Know-Center GmbH, Austria
- Dealing with Institutional Diversity in Higher Education: Challenges to STEM Education in Germany**
Carola Bauschke-Urban, Dorina Dedgioni, Stephanie Michalczyk
 Fulda University of Applied Sciences, Germany
- Starting the cultural CHANGE at University of Zilina through the implementation of the Gender Equality Plan**
Veronika Mešková
 University of Zilina, Slovak Republic
- From the principles of justice to the co-creation of knowledge and change. Developing a Student Disability Strategy at a Hungarian university**
Zoltán Bajmócy¹, Judit Juhász¹, György Málóvics¹, Boglárka Méreiné Berki¹, Annamária Gyurác² Anna Mária Ballai³
¹University of Szeged, Hungary; ²Csongrad County Association of Multiple Sclerosis Patients;
³Csongrad County Association of Blind and Visually Impaired People, Hungary
- Increasing diversity in Higher and Adult Education Institutions - practical experiences from the DivCap project**
Helga Moser
 FH JOANNEUM, Austria
- 1:00pm - 4:15pm G.2: STS & Design - Design for Sustainability, Design for Society**
 Session Chair: **Stefanie Egger**, The Invisible Lab, Austria
- Barriers to sustainability in the consumer electronics sector: applying transition theory at the global scale**
Nicki Lisa Cole
 Graz University of Technology, Austria
- Convivial digital technology - a method for analysing and designing IT**
Rainer Rehak
 Weizenbaum-Institut für die vernetzte Gesellschaft, Germany
- Designing with the social? - Or, how Science and Technology Studies came to matter in architectural design practices**
Hannah Varga
 HU Berlin, Germany
- Designing for everyday objects. The 3 C's: Convention, Convenience, Connection**
Ines Mahmoud
 FH Joanneum, Austria
- Are we ready for digital phenotyping? Some critical remarks**
Ana Tomicic, Anto Cartolovni
 Catholic University of Croatia, Croatia
- Controversial wallet: A practical experiment on privacy & visibility**
Nikolaos Rafail Papadimas
 FH Joanneum, Austria
- How STS can help designers to implement sustainable options for single-use coffee cups**
Colin Hill
 Lancaster University, United Kingdom
- The transparency problem - Tacit dimensions of design**
Stefanie Egger, Christian Lepenik
 FH JOANNEUM - University of Applied Sciences Graz, Austria

Railway Bridge as an Actor-Network Node: Historical Case Study of Design, Development, and Sustainability of the Railway Network along the Mura and Drava river regions

Marko Savic¹, Borna Abramovic²

¹University of Ljubljana, interdisciplinary doctoral programme Environmental Protection; Slovenia

²University of Zagreb, Faculty of Transport and Traffic Sciences, Croatia

Cars for Future? Imaginaries of (Auto)Mobility by technical scientists

Nora Krenmayr¹ Esther Wawerda²

¹Institute of Social Ecology, Austria; ²Laboratory for new economic ideas, Germany

Human demands of sustainable aviation: contributions of feminist STS to aeronautical engineering

Sandra Buchmüller, Julia Stilke

TU Braunschweig, Germany

Pathways to Addressing the Sociocultural Issues affecting Sustainable Energy Consumption and Maintenance of Nigerian Electric Energy Infrastructure

Israel Sunday Dunmade

Mount Royal University, Calgary, Canada

Designing robots: of explicit genderlessness and queer potentials

Brigitte Ratzer

TU Wien, Austria

1:00pm - 4: 15pm

H.1: Transforming the food system

Session Chair: **Sandra Karner**, IFZ, Austria

Session Chair: **György Pataki**, ESSRG - Environmental Social Science Research Group (ESSRG Kft.), Hungary

The future of the European food sector: Trends and scenarios

Ariane Voglhuber-Slavinsky, Björn Moller, Ewa Dönitz

Fraunhofer ISI, Germany

Boosting a sociotechnical niche through broad public consultation. Insights from the Senegalese agroecological niche.

Raphael Belmin

CIRAD, Senegal, Africa

Tools in the Making: Breeding Crops for Gender Equality in African Agriculture?

Ida Tarjem

Norwegian University of Life Sciences, Norway

Agri-food Regime dynamics, technoscience and sustainability transition politics in Greece

Alexandras Vakoulas, Sotiris Alexakis, Kostas Vattes, Stathis Arapostathis

National and Kapodistrian University of Athens, Greece

Transforming the Bulgarian food system - from organic food production to re-inventing traditional food technologies and taste

Martin J. Ivanov

Institute of Philosophy and Sociology, BAS, Bulgaria

Diverse Economies of Sustainable Food. Transformation in Practice

Dirk Raith¹, Andreas Exner¹, Sandra Karner², David Steinwender², Laura Mittermaier¹

¹RCE - Regional Center of Expertise Graz-Styria, University of Graz; ²IFZ - Interdisciplinary Research Centre for Technology, Work and Culture, Austria

Food Security policy recipe: challenge of a transformational policy approach

Olga Statnaia

Humboldt Universität, Germany

Assessing future of water supply and demand for agriculture, industry and energy sectors in Central Asia under ≥ 2.0 °C regional climate change condition

Marat Karatayev

University of Graz, Austria

1:15pm - 3:15pm

C.3: Incumbent enterprises and sustainability transitions

Session Chair: **Gregor Kungl**, University of Stuttgart, Germany

Ambidexterity as a firm's dynamic capability to contribute to societal transition

Percy Shum

Chu Hai College of Higher Education, Hong Kong, China

Urban utility companies: a key-actor for the resilience of energy systems in transition in federal countries

Susan Mühlemeier

EPFL Lausanne, Switzerland

Regime destabilization in resource-rich countries**Pinar Majidova**

University of Aberdeen, United Kingdom

The role of incumbent innovation intermediaries and engagement with low carbon technologies: A case study of the UK oil and gas sector**Harry Moncreiff**

University of Edinburgh, United Kingdom

Opening up the regime, and unlocking path dependencies: Case study comparison between South Africa and China's energy transition**Kejia Yang, Blanche Ting**

SPRU, University of Sussex, United Kingdom

The pursuit of sustainable energy systems in incumbent utilities: insights from corporate deals from 1990 to 2019**Guillermo Ivan Pereira¹, Eva Niesten², Jonatan Pinkse¹**¹Manchester Institute of Innovation Research, The University of Manchester, United Kingdom;²SKEMA Business School - Université Côte d'Azur Campus Grand Paris, France**1:15pm - 3:15pm****F.1: New techniques for plant breeding and genetic engineering: epistemic issues, qualitative changes and socio-economic aspects**Session Chairs: **Carina R. Lalyer, Bernd Giese, Wolfgang Liebert**

University of Natural Resources and Life Sciences, BOKU Vienna, Austria

The promises of New Plant Breeding Techniques: old wine in new bottles?**Nicolas Brault**

LaSalle Beauvais Polytechnic Institute, France

Agriculture and Biological Warfare: History and Legacy**Etienne Aucouturier**

Independent researcher, France

How to frame breeding systems and technological advanced for governing varietal and genetic diversity in crops?**Maria Gerullis, Thomas Heckeley, Sebastian Rasch**

University of Bonn, Germany

Socio-economic relevance of novel genetically modified organisms**Carina R. Lalyer, Johannes L. Frieß, Wolfgang Liebert, Bernd Giese**

University of Natural Resources and Life Sciences, Vienna, Austria, Austria

3:30pm - 5:00pm**B.7: Artificial Intelligence, Machine Learning and Deep Learning - a Challenge for the Social Studies of Technology (?)**Session Chairs: **Marco Schmitt, Roger Häußling, RWTH Aachen, Germany****Artificial Intelligence as 'innovation imperative': the discursive construction of Artificial Intelligence by politics, science and mass media in Germany****Julia Stilke**

Technische Universität Braunschweig, Germany

Borderland encounters - evolving professional identities between human and machine learning processes**Klaus Neundlinger¹, Camelia Oancea²**¹Institute for cultural excellence, Austria; ²Birkbeck College, University of London, United Kingdom
Patent law and artificial intelligence collide: A South African approach to the future
Meshandren Naidoo University of KwaZulu-Natal, South Africa**Artificial Intelligence Applications on Social Fronts: A Source of Biases and Divides****Madhu Kumari¹, Tajinder Singh², Swati Kumari³**¹IIM Amritsar, Punjab INDIA, India; ²SLIET, Punjab INDIA, India; ³JNU, New Delhi, India**What is "Truly Human"? A Perspective On Human Identity Motivated by Soul Machines'"Digital Human"****Tim Reinboth**

University of Vienna, Austria

WEDNESDAY

PROGRAM

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- 3:30pm - 5:00pm** **E.1: Electric mobility and vehicle-to-grid in transition(s)**
Session Chair: **Benjamin Sovacool**, University of Sussex, United Kingdom
- The Evolution of Vehicle-to-Grid: A Review of Contemporary Barriers and Opportunities**
Jorden Xander van der Hoogt
Cenex Nederland, The Netherlands
- Providers and Practices: How Suppliers Shape Car-Sharing Practices**
Elisabeth Marie Cassidy Svennevik
University of Oslo, Norway
- Testing Green Futures by Exhibiting Electric Vehicles on Jeju Island, South Korea**
Seung Hee Cho
Korea Advanced Institute of Science and Technology, Korea, Republic of South Korea
- Assessing high-resolution mobility data to evaluate the potential of electric vehicles for storage provision**
Christine Gschwendtner, Annegret Stephan
ETH Zürich, Switzerland
- Vehicle-to-grid and socio-technical transitions beyond electric mobility**
Benjamin Sovacool
University of Sussex, United Kingdom
- Assessing the socio-demographic, technical, economic and behavioral factors of Nordic electric vehicle adoption and the influence of vehicle-to-grid preferences**
Chien-fei Chen
University of Tennessee, United States of America
- InnaMo Ruhr. A Concept for integrative, sustainable Mobility between the Universities of the Ruhr Area**
Kay Cepera, Julius Konrad, Johannes Weyer
TU Dortmund, Technology Studies Group, Germany
- 5:00pm - 5:15 pm** **Conference Closing Remarks by Günter Getzinger**
Head of Science, Technology and Society Unit, TU Graz, Austria