

## 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 Barlösius<sup>1</sup>, Niels Taubert<sup>2</sup>**  
<sup>1</sup>Institut für Soziologie, Leibniz Universität Hannover; <sup>2</sup>Institute 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 Adensamer<sup>1</sup>, Lukas Daniel Klausner<sup>2</sup>**  
<sup>1</sup>University of Graz; <sup>2</sup>St. 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 Ulicane, 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 Vink<sup>1</sup>, Layla Kilolu<sup>2</sup>**  
<sup>1</sup>University Twente, The Netherlands; <sup>2</sup>University of Hawaii at Manoa, Unites States of America

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

**Marco Sonnberger<sup>1,2</sup>, Matthias Gross<sup>1,3</sup>, Daniel Horn<sup>1</sup>**  
<sup>1</sup>University of Jena, Section of Environmental Sociology; Germany <sup>2</sup>University of Stuttgart, Center for Interdisciplinary Risk and Innovation Studies (ZIRIUS); Germany <sup>3</sup>Helmholtz 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 Capari<sup>1</sup>, Anja Bauer<sup>2</sup>, Daniela Fuchs<sup>1</sup>, Titus Udrea<sup>1</sup>**

<sup>1</sup>Austrian Academy of Sciences, Austria; <sup>2</sup>Alpen-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 Wist<sup>1</sup>, Wilfried Konrad<sup>1</sup>, Rainer Kuhn<sup>1</sup>, Gabriela Ayala Jarrin<sup>2</sup>, Teresa Iglesias Lopez<sup>2</sup>**

<sup>1</sup>Dialogik GmbH, Germany; <sup>2</sup>Institute 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 Kriszt<sup>1</sup>, Izaskun Jimenez Iturriza<sup>2</sup>, Beatrix Wepner<sup>3</sup>, Andrea Kasztler<sup>3</sup>, Marianne Hörlesberger<sup>3</sup>**

<sup>1</sup>Montanuniversitaet Leoben; <sup>2</sup>Tecnalia - Fundacion Tecnalia Research & Innovation; <sup>3</sup>AIT 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 a Historical Approach**

**Harald Kleinberger-Pierer**  
FH JOANNEUM, Graz, Austria

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

**Michael Suppanz<sup>1</sup>, Sabrina Moro<sup>1</sup>, Beate Salchinger<sup>2</sup>**

<sup>1</sup>Fachhochschule Kärnten, Austria <sup>2</sup>Fachhochschule 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 Medipep 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<sup>1 2 3</sup>, Naonori Kodate<sup>2 4 5 6 7</sup>, Shigeru Masuyama<sup>2 8</sup>**<sup>1</sup>Social Welfare Corporation Tokyo Seishin-kai, Japan; <sup>2</sup>Universal Accessibility & Ageing Research Centre, Japan; <sup>3</sup>Nihon Fukushi University, Japan; <sup>4</sup>University College Dublin, Ireland; <sup>5</sup>Hokkaido University, Japan; <sup>6</sup>University of Tokyo, Japan; <sup>7</sup>L'Ecole des hautes etudes en sciences sociales, France; <sup>8</sup>Tokyo 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 Udrea<sup>1</sup>, Daniela Fuchs<sup>1</sup>, Anja Bauer<sup>2</sup>, Leo Capari<sup>1</sup>**<sup>1</sup>Institute of Technology Assessment of the Austrian Academy of Sciences, Austria;<sup>2</sup>Department 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 Fuchs<sup>1</sup>, Anja Bauer<sup>2</sup>, Leo Capari<sup>3</sup>, Titus Udrea<sup>3</sup>**<sup>1</sup>BOKU Vienna, Austria; <sup>2</sup>Department of Science, Technology and Society Studies, Alpen-Adria-Universität Klagenfurt; Austria**'Crisis', Control, and Crimmigration: Biometric Surveillance in the Policing of Migration****Nina Amelung<sup>1</sup>, Matthias Wienroth<sup>2</sup>**<sup>1</sup>Lisbon University, Portugal; <sup>2</sup>Northumbria 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 keeping them alive****Kevin Weller<sup>1</sup>, Michael Holaschke<sup>2</sup>**<sup>1</sup>Technical University of Munich, Germany; <sup>2</sup>Katholische 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 Feser<sup>1</sup>, Simon J. Winkler-Portmann<sup>2</sup>, Thore Sören Bischoff<sup>3</sup>**<sup>1</sup>Chair for Economic Policy and SME Research, Georg-August-University of Goettingen, Germany; <sup>2</sup>Darmstadt University of Applied Sciences, Germany; <sup>3</sup>Institute 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 Hughes<sup>1</sup>, David Winickoff<sup>2</sup>**<sup>1</sup>MaREI, Environmental Research Institute, University College Cork, Ireland; <sup>2</sup>Science 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 Mergener<sup>2</sup>, Timothy Rinke<sup>3</sup>, Ines Entgelmeier<sup>1</sup>**<sup>1</sup>Federal Institute for Occupational Safety and Health, Germany; <sup>2</sup>Federal Institute for Vocational Training; <sup>3</sup>University 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 Pas<sup>1</sup>, Lucas Introna<sup>2</sup>, Rinske Wolters<sup>1</sup>, Ed Vosselman<sup>1</sup>**<sup>1</sup>Radboud University Nijmegen, Netherlands, The; <sup>2</sup>Lancaster 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 Dobrowolska<sup>1</sup>, Anna Pieloch<sup>1</sup>, Adam Wawoczny<sup>2</sup>**<sup>1</sup>Silesian University of Technology (SUT), Poland; <sup>2</sup>Union of Municipalities and Districts of Western Sub-region of the Slqskie 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<sup>1,2</sup>, Verena Fuchsberger<sup>2</sup>**<sup>1</sup>University of Graz; <sup>2</sup>Universität Salzburg, Austria**In search of successful implementation of assistive technologies in care sector: Applying a framework for Responsible Research and Innovation****Naonori Kodate<sup>1,4,6,7,8</sup>, Kazuko Obayashi<sup>2,4,5</sup>, Shigeru Masuyama<sup>3,4</sup>**<sup>1</sup>University College Dublin, Ireland; <sup>2</sup>Nihon Fukushi University, Japan; <sup>3</sup>Tokyo Medical University, Japan; <sup>4</sup>Universal Accessibility & Ageing Research Centre, Japan; <sup>5</sup>Social Welfare Corporation Tokyo Seishin-kai, Japan; <sup>6</sup>University of Tokyo, Japan; <sup>7</sup>L'Ecole des hautes etudes en sciences sociales, France; <sup>8</sup>Hokkaido University, Japan

**Tuesday, 04/May/2021**

**9:00am - 10:00am** **Keynote 2**  
**The Sustainable Transformation of Cities: Anticipation, Experimentation and Governance**  
**Matthias 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**<sup>1 2</sup><sup>1</sup> eute ma, Austria; <sup>2</sup>Vienna 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**<sup>1</sup>, **Lea Svenningsen**<sup>2</sup>, **Safietou Sanfo**<sup>3</sup><sup>1</sup>Science Policy Research Uni! (SPRU), Jubilee Building, University of Sussex, Falmer, Brighton, United Kingdom; <sup>2</sup>Department of Food and Resource Economics (IFRO), Københavns Universitet, Denmark;<sup>3</sup>WASCAL 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 Sotoudeh<sup>1</sup>, Dennis Appelt<sup>2</sup>, Walter Peissl<sup>1</sup>, André Gzásó<sup>1</sup>**<sup>1</sup>Austrian Academy of Sciences, Austria; <sup>2</sup>Technical University of Munich, Germany**I know where I'm going: new paths in online assessment methodologies****Maria del Mar Sanchez Ramos<sup>1</sup>, Carmen M<sup>a</sup> Cedillo Corrochano<sup>2</sup>**<sup>1</sup>University of Alcalá; <sup>2</sup>Alfonso X El Sabio University, Spain**Digitization and research work: a post-time politics****Emilia Araujo<sup>1</sup>, Susana Figueiredo<sup>2</sup>, Liliana Castaneda Renteria<sup>3</sup>**<sup>1</sup>University of Minho; <sup>2</sup>University of Minho; <sup>3</sup>University 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. Waldner<sup>1</sup>, Lisa M. Mittischek<sup>2</sup>, Sabine Klinger<sup>2</sup>**<sup>1</sup>University College of Teacher Education Styria, Institute for Secondary Teacher Education;<sup>2</sup>University 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<sup>1,2</sup>, Silvia Hansen-Schirra<sup>1</sup>, Anke Tardel<sup>1</sup>**  
<sup>1</sup>Johannes Gutenberg-Universität Mainz, Germany; <sup>2</sup>University 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 Thaler<sup>1</sup>, Sandra Karner<sup>1</sup>, Hana Himi<sup>2</sup>, Maya Ashkenazi<sup>2</sup>, Madlen Baumert<sup>3</sup>, Janne Haack<sup>3</sup>**  
Interdisciplinary Research Centre for Technology, Work and Culture (IFZ), Austria; <sup>2</sup>Beit Berl Academic College, Israel; <sup>3</sup>Fraunhofer 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 Schiffbänker<sup>1</sup>, Liisa Husu<sup>2</sup>, Helen Peterson<sup>2</sup>, Florian Holzinger<sup>1</sup>**<sup>1</sup>Joanneum Research, Austria; <sup>2</sup>Örebro 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<sup>1,2</sup>, Stefan Reichmann<sup>1</sup>, Nicki Lisa Cole<sup>1,2</sup>, Angela Fessi<sup>2</sup>, Thomas Klebel<sup>2</sup>, Nancy Pontika<sup>3</sup>**<sup>1</sup>TU Graz, Austria; <sup>2</sup>Know-Center GmbH, Austria; <sup>3</sup>Open 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 Corsini<sup>1</sup>, Mayamiko Nkoloma<sup>2</sup>, Ndifanji Namacha<sup>3</sup>**<sup>1</sup>University of Cambridge, United Kingdom; <sup>2</sup>University of Malawi The Polytechnic, Malawi; <sup>3</sup>Malawi 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 Krusic<sup>1</sup>, Barbara Schuppler<sup>1</sup>, Martin Hagmüller<sup>1</sup>, Simone Kopenik<sup>2</sup>**  
<sup>1</sup>Graz, University of Technology; <sup>2</sup>Know-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 Bajmócy<sup>1</sup>, Judit Juhász<sup>1</sup>, György Málóvics<sup>1</sup>, Boglárka Méreiné Berki<sup>1</sup>, Annamária Gyurác<sup>2</sup> Anna Mária Ballai<sup>3</sup>**

<sup>1</sup>University of Szeged, Hungary; <sup>2</sup>Csongrad County Association of Multiple Sclerosis Patients;

<sup>3</sup>Csongrad 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**  
The Invisible Lab, 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 Savic<sup>1</sup>, Borna Abramovic<sup>2</sup>**<sup>1</sup>University of Ljubljana, interdisciplinary doctoral programme Environmental Protection; Slovenia<sup>2</sup>University of Zagreb, Faculty of Transport and Traffic Sciences, Croatia**Cars for Future? Imaginaries of (Auto)Mobility by technical scientists****Nora Krenmayr<sup>1</sup> Esther Wawerda<sup>2</sup>**<sup>1</sup>Institute of Social Ecology, Austria; <sup>2</sup>Laboratory 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, AustriaSession 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 Raith<sup>1</sup>, Andreas Exner<sup>1</sup>, Sandra Karner<sup>2</sup>, David Steinwender<sup>2</sup>, Laura****Mittermaier<sup>1</sup>**<sup>1</sup>RCE - Regional Center of Expertise Graz-Styria, University of Graz; <sup>2</sup>IFZ - 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  $\geq 2.0$  °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

**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 Pereira<sup>1</sup>, Eva Niesten<sup>2</sup>, Jonatan Pinkse<sup>1</sup>**

<sup>1</sup>Manchester Institute of Innovation Research, The University of Manchester, United Kingdom;

<sup>2</sup>SKEMA 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 Heckelei, 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 Neundlinger<sup>1</sup>, Camelia Oancea<sup>2</sup>**

<sup>1</sup>Institute for cultural excellence, Austria; <sup>2</sup>Birkbeck 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 Kumari<sup>1</sup>, Tajinder Singh<sup>2</sup>, Swati Kumari<sup>3</sup>**

<sup>1</sup>IIM Amritsar, Punjab INDIA, India; <sup>2</sup>SLIET, Punjab INDIA, India; <sup>3</sup>JNU, 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

15

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