THE INFORMATION SOCIETY

AT THE CROSSROADS

Response and Responsibility
of the Sciences of Information

Vienna University of Technology

June 3-7, 2015

Schedule

Audi Max, Getreidemarkt 9, 1060 Wien

12:00 Opening Session

Messages

Prof. Gerald Steinhardt, Dean, Faculty of Informatics, Vienna University of Technology, Austria
Em.o.Univ.Prof. Dipl.-Ing. Dr.techn. Dr.h.c.mult. Heinz Brandl, President, Austrian Society of Engineers and Architects
Pedro C. Marijuán, PhD, Foundations of Information Science (FIS)
Prof. Christian Fuchs, ICTs-and-Society Network (ICTS)
Dr Magnus Ramage, The Difference that Makes a Difference (DTMD)
Prof. Kun Wu, International Conference on Philosophy of Science (ICPI)
Prof. Gordana Dodig-Crnkovic, incoming President, International Society for Information Studies

Chair: **Robert Jahn**, Secretary General, International Society for Information Studies

Speech

Prof. Wolfgang Hofkirchner, outgoing President, International Society for Information Studies
Information for a Global Sustainable Information Society

14:00 Information thinking big | I

Speech

Terrence W. Deacon, Professor, Anthropology and Neuroscience, University of California, Berkeley, U.S.
How information lost its meaning (and how to recover it)

Discussion

Robert K. Logan, Professor Emeritus, Physics, University of Toronto, Canada

16:00 Responsible Science? Meaningful Technology?

Speech

Armin Grunwald, Professor of Philosophy of Technology, Karlsruhe University; Head, Institute of Technology Assessment and Systems Analysis (ITAS), Karlsruhe; Head, Office of Technology Assessment at the German Bundestag (TAB)
Responsible Research and Innovation – Limits of consequentialism and the need for hermeneutic assessment

Panel on Information (and Communication) Technology from an ethical perspective

Armin Grunwald and
Rafael Capurro, Professor emeritus, Hochschule der Medien, Stuttgart, Germany; Distinguished Researcher at the African Centre of Excellence for Information Ethics (ACEIE), Department of Information Science, University of Pretoria, South Africa; Chair, International Center for Information Ethics (ICIE)
Gordana Dodig-Crnkovic, Professor of Computer Science, Mälardalen University; Chalmers University of Technology; and University of Gothenburg; Sweden
Schahram Dustdar, Full Professor of Computer Science, Vienna University of Technology, Austria

Moderator: **Chris Frauenberger**, Senior Researcher, Institute for Design & Assessment of Technology, Vienna University of Technology

18:00 The "just" war: Do military operations promote peace?

Expert discussion

Berivan Aslan, Member of Parliament, Die Grünen, Austria
Christina Binder, Professor, Section for International Law and International Relations, University of Vienna
Michael Bünker, Bishop, Evangelical Church
Pete Hämmerle, International Fellowship of Reconciliation Austria
Claus J. Raidl, President, Oesterreichische Nationalbank
Thomas Roithner, independent peace researcher

Moderator: **Markus Veinfurter**, ORF Religion Radio

That session is sponsored by Evangelische Akademie Wien and Evangelische Kirche in Österreich and is open to the public without entrance fee.

Aula, Freihaus, Wiedner Hauptstraße 8, 1040 Wien

20:00 Reception

Morning

FH 5 | Information thinking big | II (to be continued)

9:00 Crossover between philosophy and science

Stream ICPI 2015 | 1 (to be continued)

Kun Wu *The interaction and convergence of Philosophy of Information and Science of Information*
Luciano Floridi *Power in the information society*

11:00 Crossover between natural and social sciences: The rise of co-operation

Pedro C. Marijuán *From genotype and phenotype, to sociotype: the endless social communication*
Günther Witzany *Biocommunication and Natural Genome Editing – A new concept for the emergence of biological information*
Manuel Bohn *Human communication and cooperation from an evolutionary perspective*

FH 6 | Frontiers of science – Limits to social compatibility?

9:00 I(C)Ts and a vision

Wojciech Szpankowski *Frontiers of Science of Information*
Gunilla Bradley *In search of wisdom in the ICT Society*

11:00 The critical perspective: Empirical findings and theory

Stream ICTS 2015 | 1 (to be continued)

Jörg Becker *Media and Information Technology: Social control from above & outside and from below & inside*
Christian Fuchs *Critical Theory of the Internet: The importance of Raymond Williams, Dallas Smythe, and Herbert Marcuse today*

SE 104

Music, information and symmetry

Track | 1, 2 (to be continued)

9:00

K. Zenkin *Information in music and symmetry*
S. Petoukhov *Music and the Modeling Approach to Genetic Systems of Biological Resonances*
Eduardo Miranda *Enhancing the Social Impact of Contemporary Music with Neurotechnology*

11:00

N. Fedotov *The Extensive Study of Adygean Ethno-Music and Sound Therapy in the North Caucasus Mountains influenced the Hypothetical Design of a Sound Therapy System Capable of Creating Balance and Symmetry in the Human Body with Energetically Forced, Sympathe*
I. Stepanyan, A. Koblyakov, S. Petoukhov *The Genetic Code, the Golden Section and Genetic Music*
I. Soshinski *Two-interval musical scales and binary structures in computer science and biology*

Afternoon

FH 6

Are robots better humans?

Ethics, limitations, and promises of Artificial Intelligence
Track: Speeches and panel discussion

14:00 Speeches

Tom Ziemke *The body of knowledge: Why robots aren't taking over the world – and why we are giving it to them anyway*
Peter Purgathofer *Hard-to-see problems in social robots*
Rafael Capurro *Agents, patients and robots. About Roboethics*

16:00 Panel discussion

Tom Ziemke, Peter Purgathofer, **Rafael Capurro**, **Søren Brier and Martin Rhonheimer**

Empowering patients through health IT

Opportunities and evidence
Track: Speech and paper session

18:00

Mary Jo Deering *Health Information Technology: empowering consumers, patients and caregivers*
Edgard Eeckman *Power to the patients? The influence of the internet as a source of health information on the power balance between patient and general practitioner*
Chen Li and Ying Hua *The role of online booking systems (gua hao wang) in transforming patient experience and China's healthcare reform*

FH 2

The Internet and Social Media at a crossroads: Capitalism or Commonism?

Stream ICTS 2015 | 2, 3A, 4A (to be continued)

14:00 General intellect as a limit to capital?

Christian Fuchs *Marx, the General Intellect, the Grundrisse, and the Fragment on Machines in the Age of Digital Labour and Digital Capitalism*
Sebastian Sevignani *Capital Control, Privacy Crisis, and the Work of Being Watched*
Tilman Reitz *The Class Situation(s) of Knowledge Work*
Arwid Lund *The Capital of Communism: Critical Evaluations of Peer Production's Strategic Alliance with Capital*

16:00 The Political Economy of digital labour

Mariano Zukerfeld *Informational Cognitive Exploitation, Digital Labour and the Double Freedom of Knowledge*
Guillermina Yansen, Agostina Dolcemáscolo, Andrés Rabosto *Cognitive Exploitation of Audiovisual Content: The Youtube and XVideos Cases*
Hangwoo Lee Lee *Compensating for Free Digital Labor: DRM, Micropayment, and Basic Income*
Isabell C Loeschner *Enterprise Social Media Under the Pretext of Voluntariness – An Unexplored Dimension of Digital Labour*

18:00 Cultural Studies and the Internet

Dimitra L. Milioni *Opening the 'Black Box' of User Agency: A Critical Cultural Studies Approach to Web 2.0*
Seija Ridell, Minna Saariketo *Negotiating the Architectural Power of Connective Media. Stuart Hall's Encoding/Decoding Model and the Critical Study of Digitally Afforded Social Environments*
Carsten Winter, Lorenz Grünewald *New Perspectives for Use-Values? For a more Complex Understanding of Digital Labour*
Bernardo Barros Coelho de Oliveira *Experience*

and Narrative in the Digital Era: the Binge-Viewing Case

FH 3

How do we want to live and how do we get there?

Taking the 'convivialist manifesto' as a starting point
Track: Speeches and discussion

14:00

Marc Humbert *Conviviality: a choice of civilization*
Frank Adloff *Convivialism – Strengths and weaknesses*

The Internet and Social Media at a crossroads: Capitalism or Commonism?

Stream ICTS 2015 | 3B, 4B (to be continued)

16:00 The Information Revolution's impact on society: Information economy, digital politics, electronic culture

Andrzej Piotr Wierzbicki *The Future of Work in the Information Society*
Domenico Fiormonte, Desmond Schmidt, Paolo Monella, Paolo Sordi *The Politics of Code. How Digital Representations and Languages Shape Culture*
Helen Barcham *These Wars are Personal: Feminism and Therapy Culture*
Tales Tomaz *History of Being, Machenschaft and Anti-Semitism: Implications of Heidegger's "Black Notebooks" for a Critical Theory of Technology*

18:00 Open Education and Critical Media Literacy in Digital Capitalism

Julie Danielle Frechette *Top Ten Guiding Questions for Critical Digital Media Literacy Education*
Burak Özcetin, Ronald Macintyre *An Uneasy Relationship: Open Educational Practice and Neoliberalism*
John Casey, Wolfgang Greller *Jane Austen and the Belly of the Beast Part 2 Language and Power: Commodification, Technology and the Open Agenda in Higher Education*

FH 4

Triangular relationship information–reality–cognition

Through the prism of physical–biological–cognitive sciences, computing and philosophy
FIS Track: Workshop

14:00 Speech and presentations

Pedro C. Marijuán *What does it mean to be an information scientist in the XXIst century?*
Mark S Burgin, Gordana Dodig Crnkovic *Computation as Information Transformation*
Ron Cottam, Willy Ranson, Roger Vounckx *Scale, Hyperscale and Metascalar Information in Living Systems*

16:00 Speeches

John Collier *What must the world be like to have information about it?*
Robert K. Logan *General Systems Theory and Media Ecology: Parallel disciplines that inform each other*

18:00 Speech and presentations

Søren Brier *How to get towards a truly transdisciplinary information science*
Rickard von Haugwitz, Gordana Dodig Crnkovic, Alexander Almér *Computational Account of Emotion, an Oxymoron?*
Marcin J. Schroeder *Information Science: New Response to Old Challenges in the Scientific View of Reality*

FH 7

(Big) History of information

Track: Paper session

14:00

László Z. Karvalics *Conceptual framework for Information History macropatterns*
Howard Bloom *The Biological Tricks That Knit A Global Brain*
Miklós Sükösd *Towards a comparative information history of empires:* longue durée *patterns of monism vs. pluralism*
Gabor Szommer *Cultures as information aggregators: an example from South-East Asia (The formation of shared navigational knowledge, 1500-1650*
Moon Ho Lee *780 years History of Jong Nang Binary Code*
Endre Kiss *Globalization and Knowledge: The New Relationship in the Context of the Globalization*

Communication, information and reporting for responsible business management

Track: Paper sessions

16:00 Information for sustainability

Fabrizio Baldassarre & Raffaele Campo *Reporting sustainability in the oil sector: transparency or greenwashing?*
Peter Maple, Cecilia Giuliana Nicoletta Casalegno and Chiara Civera *An investigation of "The Spectrum of Corporate Social Responsibility." Or to be more precise: Over-communication – a comparative analysis of the UK and Italian banking sectors from the customers' perspective*
Vasja Roblek and Andrej Bertoncelj *The impact of internet and social media on communicating corporate activities of sustainable development: the case of the top 100 world pharmaceutical companies*

18:00 Internet for the XXI society

Seyed Reza Naghibulsadat *Image of social life in the information society: Content analysis of Iranian and Non-Iranian Social Networks' Structures*
Ali Asghar Kia *The importance of media literacy in the knowledge-based society*
So-Jeng Hung, Cheng-Hung Wang, Ya-Ping Huang and Mei-Chiung Chi *The study of museum's interactive multimedia demonstration learning field*

SE 101 A

China and the global information society

A West-East-discourse
Track: Paper sessions | 1, 2, 3 (to be continued)

14:00 Youth and the Information Society in China

Xi Zhuang *Study on the Impact of the Internet on the Social Network of the Chinese Migrant Children*
Margarita Köhl, Gerit Götzenbrucker *From "Log In" to "Always On" – Examining Communicative Practices of Managing Relationships Among Young People from Taiwan and Austria*
Qiang Zhu *Subversion and reconstruction: "cultural feedback" In the information society – The empirical study of China's urban youth life*

16:00 The changing media landscape in the Information Society

Miao Mi, Hugo de Burgh *How Newspapers in China and the UK Respond to the Development of Communication Technologies: a Comparative Study*
Cao Ruiqing, Fang Xiaohong *City Micro film: The Daily Life Narratives of City Communication in China*
Zhan Zhang *Online News Outlets Or Online News Outweighed? – a comparative analysis on Huffington Post and The Paper (Pengpai Xinwen)*

18:00 (Mobile) Social Media and Online Identity in China

Gianluigi Negro *A comparative analysis between Twitter and Sina Weibo – When design and hysterics matter*
Mei-Chiung Chi , Yen-Ling Chen, So-Jeng Hung *The Social Interaction Characteristics of Mobil-Mediated Communication: An Exploration Study of Communication Behavior in Mobile Channel*
Tianyang Zhou *ICTs and Gay Male Community: Globalization, Sexual Identity, and the Internet*

Alastair A. Abbott, Cristian S. Calude and Karl Svozil *Quantum Information with Meaning Inside and Outside the Quantum*
Emanuel Diamant *The Brain Is Processing Information, Not Data. Does Anybody Care?*
Marcus Abundis *One Problem… One Thousand Faces – The Bridging of Philosophy and Science*
Mauricio Ortiz Osorio *New Frames of Information Management*
Katarina Peovic Vukovic *Ontology and dialectical-materialism*

SE 104

The ethics of foundations

Back to the concepts!
Track: Paper sessions

14:00 and 16:00

Enrique Diez Gutierrez and Marcelo Leon Castro *Is the civic attitude of e-participation really wise in the current information society?*
Francisco Salto *Justifying norms: The case of the conventional justification of conventions and the logical justification of logic*
Nan Wang *What is Cyberspace: through Don Ihde's eyes*
Rainer E. Zimmermann *The Metaphysical Ground of Information Processing*
Otto Lehto *Spinoza to Darwin via Deacon: Negative and Positive Approaches to (Natural) Evolution*
José María Díaz Nafría *eSubsidiatity: An Ethical Approach for living in complexity*

Weaving the understanding of information

Track: Paper sessions | 1 (to be continued)

18:00

Rainer Zimmermann *From the network of concepts, metaphors and theories to the general understanding of information*
Mark Burgin *Information as an Omnipresent Relative Phenomenon*

Morning

FH 5 | About a "Transdiscipline"

9:00 Transdiscipline Information Studies?

Yixin Zhong *Methodology shift in Information Studies*
Gordana Dodig-Crnkovic *Interdisciplinary research and information dynamics*

11:00 Transdisciplinarity

Transdisciplinary response and responsibility of the sciences of information
Track: Speeches and paper presentations | 1 (to be continued)

Solomon Marcus *Masters and slaves of information*
Basarab Nicolescu *How Can We Enter in Dialogue? Transdisciplinary Methodology of the Dialogue Between People, Cultures, and Spiritualities*

FH 6 | Global Brain and governance

9:00 The Global Brain and the future information society

Track | 1 (to be continued)

Francis Heylighen *The Global Brain: a self-organizing, distributed intelligence emerging from the web*
Dirk Helbing *Creating a planetary nervous system as a citizen web*

11:00 The future information society and its governance

Katharine Sarikakis *The struggle for control over Communicative Spaces: creating, sustaining, resisting as tactics of information society governance*
Zoe Lefkofridi *Europe at the crossroads: Is economizing on democracy the way forward?*

FH 2

The Internet and Social Media at a crossroads: Capitalism or Commonism?

Stream ICTS 2015 | 5 (to be continued)

11:00 An alternative internet!? Prosumer co-operatives, the digital commons and alternative online spaces

Andreas Wittel *Digital Technologies and Labour in Capitalism and in the Commons*
Marisol Sandoval *Prosumer Co-operatives and the Prospects of Truly Social Media*
Banu Durdağ *Alternative Communication Spaces: Resistance, Technology and Social Change*
Hans Asenbaum *Revisiting E-topia – A Social Movements Perspective on Cyberdemocracy*

FH 7

ICTs and power relations

Present dilemmas and future perspectives
Track: Paper sessions | 1 (to be continued)

9:00 Presentations and open discussion

John Cheney-Lippold *Jus Algoritmi: How the NSA Remade Citizenship*
René König *Algorithmic ideology in action: How Google´s ranking algorithm impacts different types of information*
Astrid Mager *Algorithmic Imaginaries. Visions and values in the co-production of search engine politics and Europe*
Georgios Kolliarakis *Innovation, Inequalities, and Impacts: Countering non-anticipated effects of the European ICT Research*

The Global Brain and the future information society

Track | 2 (to be continued)

11:00

Francis Heylighen *The Global Brain: a self-organizing, distributed intelligence emerging from the web (extended)*
Dirk Helbing *Creating a planetary nervous system as a citizen web (extended)*

SE 101 A

China and the global information society

A West-East-discourse
Track: Paper sessions | 4

9:00 Politics, Economy and Alienation in Chinese Information Society

Dazhou Wang, Kaixi Wang *Logic of the Internet Politics in China*
Lianrui Jia *Entrepreneurial state, the economy of scale, and the globalization of Chinese Internet companies*
Bocong Li, Ou Bao *Symbolic Alienation in the Information Society*

Progress and achievements in Information Studies in China

Track | 1 (to be continued)

11:00

Yixin Zhong *The Law of Information Conversion and Intelligence Creation*
Dongsheng Miao *China Approach to Information Studies*
Liqian Zhou *A Review of Approaches of Western*

Information Studies
Xianhan Luo *The Matter-Information Theory*

SE 101 C

Beyond Bureaucracy

Track | 1, 2 (to be continued)

9:00 Informating government. The status quo: does it work?

Leonidas Anthopoulos *How far can a local Government go to reach a Non-Bureaucratic Level? Literature Review and a Case Study*
Uroš Pinteric *Human Obstacles to Smart Cities*
Łukasz Mikowski and Piotr Szymaniec *e-Governance: the Idea and its Realization in Poland*

11:00 Informating government. How much bureaucracy is necessary?

Alois Paulin *Informating Bureaucracy Using Technology to control Social Service Delivery*
Roland Traunmüller *e-Government: How much Bureaucracy is Necessary?*
Adeyinka Adewale *Does Bureaucracy stiffle Moral Agency? Insights from History, Literature and Practice*

SE 104

Music, information and symmetry

Track | 3, 4

9:00

A. Kharuto *Musical Information Research In Russia (History And The Present Time)*
I. Evin, A. Koblyakov, T. Khabibulin *Music and network science*
A. Koblyakov *Transdimensional relations at the bases of music, symmetry, language, logic and information*

11:00

A. Igamberdiev *The fugal structure as a reflection of the polyphonic pattern of the world*
N. Stambuk et al. *Artificial Proteins and Genetic Code Patterns: Structure, Function, Information and Music*
M. Karaseva *Professional Social Network for Musicians: a New Technological Approach for Strengthening of Humanitarian Society*

Afternoon

FH 2

The Internet and Social Media at a crossroads: Capitalism or Commonism?

Stream ICTS 2015 | 6, 7A (to be continued)

14:00 Neoliberal and Socialist Perspectives on the Information Society and Information Technology

Alistair S. Duff *'MereBrotherhood': Religious Socialism @ Network Society*
David J. Hakken, Maurizio Teli, Barbara Andrews *Critical Alternatives in Computing Scholarship: Coordinates of a Struggle to Go Beyond Capital*
Yuqi Na *Ideologies of the Development of the Chinese Internet*
Hakan Yüksel *Creating Dependency instead of Prosperity: A Critique of Information Society Policies in Turkey*

16:00 The Political Economy of Online Advertising

Josef Baum *Towards a Global Ad Tax – Advertisment in a Political Economy and Political Ecology Framework*
Secil Toro *Deception and Internet Advertising: Tactics Used in Online Shopping Sites*
Bahar Ayaz *Culture Industry in the Digital Era*
Sašo Slaček Brlek, Jernej Amon Prodnik *Quantification of Audiences as a Decision-Making Factor in Slovene Web Journalism*

Weaving the understanding of information

Track: Paper sessions | 2

18:00 Towards a deeper understanding of Networks, Systems, Information and Emergence

Open Colloquium held by R. Zimmermann, F. Tretter, W. Hofkirchner, F. Salto & J.M. Díaz

Networking Invitation- BITrum General Assembly moderated by J.M. Díaz and F. Salto
a) Proposal for cooperative de-centralized organization: from the operative units to the international federation of research entities;
b) Presentation of operative units: glossariumBITri; domusBITae; PRIMER; Research unit;
c) Call for cooperative work (membership).

FH 3

The governance of information freedom in crisis

Democracy, resistance and control
Track: Panel

14:00

Asli Tunc Turkey *Circumventing and Succumbing to Media Control in Turkey: Social Media as A Sphere of Struggle*
Katharine Sarikakis and Patricia Smolean *Critical Media in times of crisis: a case study of news media in Greece, Romania and Spain*
Ferenc Hammer *Democratic performance of the media – Hungarian lessons*

The Internet and Social Media at a crossroads: Capitalism or Commonism?

Stream ICTS 2015 | 7B (to be continued)

16:00 The internet and power

Justine Gangneux *Surveillance Enabling Technologies and Peer Scrutiny: Impacts on Trust in Young Adults' Interpersonal Relationships*
Laura Fichtner *Techno-Politics as Network(ed) Struggles*
Kavous Ardalan *Media and Democracy: Four Paradigmatic Views*
Teresa Numerico *Google AI and Turing's Social Definition of Intelligence*

Transdisciplinary response and responsibility of the sciences of information

Track: Speech and paper presentations | 2

18:00

Søren Brier *Cybersemiotics as a bridge between the informational, the experiential and embodied enacted social meaning*
Neena Gupta-Biener *New transdisciplinary methodology based on semiotics for cross-cultural comparisons*
Robert Logan *What Is Information?: Why Is It Relativistic and What Is Its Relationship to Materiality, Meaning and Organization*
Jiyi Yan *Information makes running on the Moebius Strip possible: Thinking on IT and Information Theory*
Shuhua Li *The Origin of Information and Value Selection: Investigate the Laws of the Generation of Living System*
Joseph Brenner *Information Science, Transdisciplinarity and Logic*
Liqian Zhou *The Consistent Principle of Information, Life and Cognition*

FH 4

Homo informaticus – the conception of man in the information society

Track: BCSSS Workshop | 1, 2

14:00 and 16:00

Felix Tretter *Homo informaticus – concept of man in information age*
Michael Trimmel *Homo informaticus – man as a subsystem of computers*
Klaus Miesenberger *Homo Informaticus: Equal opportunities for people with disabilities*
Werner Mewes *Big data in health issues – Perspectives of Omics-Medicine*
Peter Fleissner *Homo informaticus and Information society – critical comments*

Human resilience and human vulnerability

Contributions from the mental health field
Track: Case presentation

18:00

Brigitte Sindelar *Introduction*
Waltraud Schönhart *Special cases – practical psychoanalytic work in untypical fields*

FH 7

The Global Brain and the future information society

Track | 3, 4 (to be continued)

14:00

Viktoras Veitas *Living Cognitive Society: a "digital" World of Views*
Marta Lenartowitz *Mere impediments? A second thought on the role of social boundaries in self-organisation of the global collective intelligence on the Earth*

16:00

Evo Busseniers *Let's interPlay! Does co-evolution enable or constrain?*
Roman Batko *Panopticon – cybercontrol in liquid modernity: what does control really mean in contemporary management?*

Natural disasters

Vulnerability and resilience
Track: BCSSS paper session

18:00

Jan Skrbek *Last Mile – the Neglected Element of Early Warning Systems*
Tianjie Lei, Jianjun Wu, Qianfeng Wang, Changliang Shao, Hongkui Zhou, Xiaohan Li, Guangpo Geng, Leizhen Liu, Xiangdong Sun and Liangliang Zhang *Drought and carbon cycling of grassland ecosystems under global change: a review*
Kunru Yan *Bayesian analysis of subjectively perceived risks of informational technology*

SE 101 A

Information and values: ethics, spirituality and religion

Stream DTMD 2015 | 1, 2, 3 (to be continued)

14:00

Arthur Taylor *Information quality and truth: consumerism, deception and the postmodern age*
Alex and David Chapman *The role of information and values in the participatory analysis of social-ecological systems*
Martin Mosko and David Paul *Designing for the Tension of Information and Values: The Garden as an Inquiry System*

16:00

Marcus Carney *Letting show… Transverbal migrations between theorizing & practice*
Derek Jones *Embodied cognition and information*
Magnus Ramage and Chris Bissell *Cyberneticists at war and peace: wrestling with ethical dilemmas of information*

18:00

Mustafa Ali *Orientalism and/as Information: The Indifference That Makes a Difference*
Graeme Kirkpatrick *Information and religious sensibility*

SE 101 B

As we may teach

ICT in education: an odd couple
Track: Speeches and presentations | 1, 2, 3 (to be continued)

14:00 Speeches

Alexandre Borovik *Makers and users*
Yagmur Denizhan *Tools and Their Users*

16:00 Presentations

Hannu S. Salmi *Learning abstract in a concrete way: making the invisible observable via Augmented Reality (AR)*
Tamás Pólya *Digital motivations: from being entertained to be happy to learn. Why do children and teenagers play videogames and can those motivations be canalized towards educational purposes?*
Natalija Budinski *Origami and technological prospectives in mathematical education*

18:00 Presentations

Masataka Kaneko, Satoshi Yamashita, Hideyo Makishita, Yoshifumi Maeda, Naoki Hamaguchi, Shigeki Kobayashi, Setsuo Takato *KETCindy — supporting tool to convert students' findings into knowledge in collegiate mathematics education*
Hans-Dieter Janetzko *CATO – An Almost Intuitive Access to Mathematical Software*
Nuno Filipe Escudeiro, Neena Gupta-Biener, Florian Gunacker *Interdisciplinary virtual multicultural teamwork project as an alternative to classroom teaching. Example of a pilot project funded by EU*

SE 101 C

Emergent systems, information and society

Track: Speeches, paper sessions and working group establishment | 1 (to be continued)

14:00 Speeches and presentations

Klaus Fuchs-Kittowski *Information generation and value formation: important categories for theory development. About the idle but wrong attempt to teach war robots ethics*
Werner Ebeling *Selforganization of information and value – Discussion of the relation to physics*
Rainer Feistel *Self-organisation of symbolic information*
Yagmur Denizhan *Scaffolding as Mediator of Emergence*
Sabine Thürmel *Emergence and Chance in Agent-based Simulations*

Information in the exact sciences and symmetries

FIS and ICPI Track

16:00

Abir U. Igamberdiev *Symmetry Transformations and Information Growth in Biological Morphogenesis and Evolution*
Joseph Brenner *Symmetry and information: Brothers in arms*
Gyorgy Darvas *On certain questions related to information and symmetries – in physics from certain view of philosophy of science*

Emergent systems, information and society

Track: Speeches, paper sessions and working group establishment | 2

18:00 Speech, presentations and working group establishment

Vincent Brannigan *Mobile geolocation technologies, a technico-legal revolution*
Peter Bittner *The Messiness of Ethics in Everyday Computing Practice – A Micro-ethical View*
John Chelen *Universal Digital ID: The Ultimate Level of Human Addressability Required to Sustain Fair Global Knowledge Participation*

SE 104

Integration of the Philosophy of Information and Information Science

Stream ICPI 2015 | 2, 3, 4 (to be continued)

14:00

Marcin J. Schroeder *The Concept of Information: The Point of Convergence for Philosophy and Science or the Vanishing Point of Parallels?*
Qi Tian Wu *A new way of thinking about being and non-being*

16:00

Loet Leydesdorff *Mutual Redundancies and Triple Contingencies among Perspectives on Horizons of Meaning*
Ron Cottam, Willy Ranson, Roger Vounckx *The Metascalar Nature of Information*
Feng Xiao *Many"-isms" about information*

18:00

Rafael Capurro *Translating Information*
Abir U. Igamberdiev *Internal quantum measurements and the growth of information*
Guolin Wu *Questioning of quantum information*

Morning

FH 5 | Information thinking big | III

9:00 : Sustainability – From nature to society

John Collier *Information dynamics, self-organization and the implications for management*
Nikhil Joshi *Science, organisation and sustainability: A multilevel approach*

11:00 Capitalism versus nature? Socio-ecological transformations

Ulrich Brand *Social-ecological transformation as progressive horizon?*
Barbara Muraca *Cultural transformation through societal experiments*
Vyacheslav A. Ilyichev *Biospherical compatibility – The way of reciprocal development of the Mankind and Nature*

FH 6 | Designing social/techn ological systems

9:00 How smart is Big Data?

The Internet and Social Media at a crossroads: Capitalism or Commonism?
Stream ICTS 2015 | 8 (to be continued)
and
The Global Brain and the future information society
Track | 5 (to be continued)

Stefania Milan *Big Data and the understanding of the political*
Payal Arora *Big data Commons and the global South*

11:00 Islam between exclusion and inclusion – how to leverage cultural diversity

Track: Speech and panel

Patrice Brodeur *(tba)*
Farid Hafez, Rüdiger Lohlker

FH 7

ICTs and power relations

Present dilemmas and future perspectives
Track: Paper sessions | 2 (to be continued)

9:00 Presentations and open discussion

Gernot Rieder, Judith Simon; Stefan Strauß *Big Data, Corporate Governance and the Limits of Algorithmic Accountability*
Nina Witjes, Philipp Olbrich *Enabling Transparency through Technology?Non-Governmental Satellite Imagery Analysis of North Korea*
Wolfgang Hofkirchner, Asimina Koukou, Katharine Sarikakis *The Role of Social Movements in the Governance of ICT Commons in Times of Crisis*

The Global Brain and the future information society

Track | 6 (to be continued)

11:00

Cadell Last *Planetary Multi-Personal Transcendence: Potential Being-Net Formation in the Global Brain Plan*
Shima Beigi *Designing a Place-based Self-organising Ecotourism Plan*

SE 101 A

Progress and achievements in Information Studies in China

Track | 2, 3

9:00

Jiyi Yan *Information Makes Humans Running on Mobius Ring Possible*
Wenhao Lee *An Information Breakthrough Which Refrain A Trap*
Poland Sham *A New Concept in The Mail Box in General*
Gang Liu *A Chinese Approach to The Concept of Information*

11:00

Shuhua Li *System Approach to Information Studies*
Xueshan Yan *Three Unifications and Their Finals in the Approach to Information Studies*
Yixin Zhong *On Definitions of Information*
Chuan Zhao *The Frontiers of Intelligence Science*

SE 104

Integration of the Philosophy of Information and Information Science

Stream ICPI 2015 | 5, 6 (to be continued)

9:00

Mei Su Cheng *Informational Civilization's Challenge to Philosophy*
Zhi Cong Shang *Information in the Knowledge Democracy*
Laszlo Ropolyi *Sign and Information: Form and Content*

11:00

Joseph E. Brenner *The Convergence of the Philosophy and Science of Information*
Xian Geng Cao *Musicological Significance of Traditional Chinese Music Inheritance and*

Information Theory Research
Patrick Allo *Constructionism in Logic*

Afternoon

FH 2

The Internet and Social Media at a crossroads: Capitalism or Commonism?

Stream ICTS 2015 | 9A, 10, 11 (to be continued)

14:00 Commodification in the digital age

Tim Dwyer, Fiona Martin *How Did They Get Here? The Likeable Engine, Dark Referrals and the Problematic of Social Media News Analytics*
Rachel O'Dwyer *When Telcos Become Banks: Sociotechnical Control in Mobile Money*
Demetra Garbasevschi *Personal Identity as Digital Commodity*
Zafer Kıyan *Rethinking Cultural Production in the Context of Commodification: Two Step or Dual Production*

16:00 The information commons: Commodification and commonification

Gareth James Johnson *A Critical Examination of Barriers to Open Access in UK Academia*
Wilhelm Peekhaus *Librarians and University Presses of the World Unite!: Efforts to Resuscitate the Knowledge Commons of Academic Publishing*
Gregory Taylor *Dallas Smythe and the Spectrum Commons*
Joseph E. Brenner *A Fresh Look: The Social Competence of Information Science*

18:00 The Internet, technology and critical theories

Sahana Udupa *'Faith Politics': Social Media and Right-Wing Hindu Nationalism in India*
László Ropolyi *Emerging Web-Life – A Marxian Perspective*
Magdalena Kania-Lundholm *What the Critical Approach Can Bring to the Study of a Potentially*

Vulnerable Group's Everyday ICT Usage
Emma Keltie, Peter Bansel *The Online Production and Commodification of Gender Variant and Sexuality Diverse Young People*

FH 3

The Internet and Social Media at a crossroads: Capitalism or Commonism?

Stream ICTS 2015 | 9B

14:00 The Internet and social movements

Aylin Aydogan, Funda Basaran *Wherever The Resistance, Video Activism Is There: Çapul TV*
Bianca Mitu *Social Classes and Digital Activism*
Guiomar Rovira *Twenty Years of Networks, Streets and Struggles*
Paloma Viejo Otero *How Do Far-Right Movements and Parties Use the Internet and the Social Media? Digital Facebook Postcards With Hate From the Far Right*

Andrew Feenberg's technical politics and ICTs

Track: Speech and invited papers | 1, 2

16:00 and 18:00

Andrew Feenberg *Critical Theory of Technology and STS*
Graeme Kirkpatrick *Feenberg between instrumentalism and substantivism: formal principles versus humanistic values in democratic technical politics*
Cheryl Martens *Questioning Technology in South America: The case of Ecuador's free/open knowledge movement*
Tom Redshaw *Radical technologies and cultures of knowledge: the case of bitcoin*
Lars Kristensen *Bicycle cinema: Machines, Identity and the Moving Image*
Steve Walker *Technology and social change: some shifting patterns in technological innovation*

FH 4

Cyberpeace is more than the absence of cyberwar

Track: Speeches and paper sessions | 1, 2

14:00 Speech and presentations

Mariarosaria Taddeo *Just Information Warfare*
Hans-Jörg Kreowski and Dietrich Meyer-Ebrecht *"Revolution in Military Affairs" — Not without information and communication technology*
Henning Lübbecke *Ubiquitous Computing and Privacy*
Ronald H. Tuschl *Cyberpeace: The Struggle of Civil Society for Radical Democracy and Hegemony in Cyberspace*

16:00 Speech, presentations, and discussion

Sylvia Johnigk *"Let's clear up the debris" – What the Snowden leaks means for our IT-security*
Stefan Hügel *Cyberpeace: Promoting civil rights and peaceful use of the Internet*
Thomas Reinhold *Political aspects of the militarisation of the cyberspace and the problems and chances of a peaceful development for this domain*

Ethics in IT security research

Track: Presentation

18:00

Sebastian Neuner, Martin Mulazzani and Sebastian Schrittwieser

FH 7

ICTs and power relations

Present dilemmas and future perspectives
Track: Paper sessions | 3

14:00 Presentations and open discussion

Judith Simon, Irina Shklovski *Lessening the Burden of Individualized Responsibility in the Socio-technical World*
Philip Schörpf, Jörg Flecker, Annika Schönauer *Virtual Work and Place in the Creative Industries*
Holger Pötzsch *iBorder: Bordering Bodies, Networks, and Machines*
Prince Karakire Guma *Digital Technology and the Socio-spatial Transformation of Urban Space: The Case of Nairobi and Dar es Salaam*

The Global Brain and the future information society

Track | 7

16:00

Dana Klisanin *Choice Words: An Integral Exploration of Signifers Being Used to Reference Global Interconnectedness*

Alternatives for Europe and the world

Track: Panel

18:00

Àngela Ballester
Michalis Panagiotakis
Markus Euskirchen
Gerold Pacher

SE 101 A

Transforming systems through design

BCSSS Track | 1 (to be continued)

14:00 Speeches

Geraldine Fitzpatrick *Designing for sharing communities: from rhetoric to reality*
Thomas Fundneider *Designing desired futures as Enabling Spaces*
Holm Friebe *Surviving VUCA – A framework for the far future*
Liss C. Werner *Structural Feeling – It's not Alice, but Wonderland BCSSS*

Emergence of and in (self-)organizing work systems

From articulation of work knowledge to System Design
Track: Workshop

16:00

Sergej Lugović, Ivan Dunđer, Marko Horvat *Primary and Secondary Experience as a Foundations of Adaptive Information Systems*
Zhengwei Huang, Fangyan Tang, Xuejiao Guo, Beiheng Li *Customer service quality for online shopping: Evidence from Dangdang.com*
Stefan Oppl, Christian Stary *AEOLION – Articulation Engineered for Organizational Learning in Interoperable, Open Networks*

Transforming systems through design

BCSSS Track | 2

18:00 Workshop

Geraldine Fitzpatrick
Thomas Fundneider
Holm Friebe

Liss C. Werner
Christian Stary

SE 101 B

As we may teach

ICT in education: an odd couple
Track: Speeches and presentations | 4, 5, 6

14:00 Presentations

Zsolt Lavicza, Fenyvesi Kristóf, Lilla Korenova, Eleonóra Stettner *GeoMaTech: Integrating Technology and New Pedagogical Approaches into Primary and Secondary School Teaching to Enhance Mathematics Education in Hungary*
Đurđica Takaci*, Miroslav Maric *GeoGebra supported collaborative learning*
Walther Neuper *What distinguishes Mathematics from Magic in Education?*

16:00 Presentations

Natascha Chtena *The materiality of virtual learning environments: developing an analytical framework for the study of educational platforms, artifacts and applications*
Tamás Péter Szabó *As we think we may teach: Ideologies on IT in the classroom*
Matteo Ciastellardi *Exploring Transmedia Literacy. Toward an Open Ontology for a Pattern Recognition Analysis*

18:00 Presentations

Ján Gunčaga, Robert Janiga *Possibilities of using virtual laboratories in teaching computer science subjects*
Aleksandar Takaci, Đurđica Takaci *Possibilities of using virtual laboratories in teaching computer science subjects*
Vladimir Francisti, Slaviša Radović *On the evaluation of students' achievements and knowledge using modern technology*
Radoslav Božić *On Comparative Analysis of Mathematical Education of Serbia, Croatia and Finland*

SE 101 C

Beyond Bureaucracy

Track | 3

14:00 Collaborative decision-making and future technology. Does technology benefit participation?

Matouš Hrdina *Are Social Media a beneficial Tool for Political Participation? Notes on the Role of SNS in participatory Trends in the Czech Republic*
Alois Paulin *How Liquid Democracy can tame Bureaucracy*
Sahar Sahebdivan *Beyond the Wire: Transformational Power of Quantum Information*

Emancipation or disempowerment of man?

Media – science – education
Track: Paper sessions | 1, 2

16:00 and 18:00

Ludmila Malinová *Education and the Global Brain*
Rocio Rueda Ortiz *Multitude and Internet: cooperation and domination*
Václav Šubrta *Dichotomies in science, education and media*
Nikolaus Hamann *Openness – Democracy – Transformation. And the libraries?*
Edgar Alejandro Ruvalcaba Gomez *Analysis of the "Impact of Social Technologies" in the policies of "Open Government" within the Public Administrations*
Eva Kašparová *Social media usage and its impact in the current teaching and learning*
Tomáš Sigmund *Manipulation and self-realization*
Asher Jospe *The dialectic of capitalism*

SE 104

Integration of the Philosophy of Information and Information Science

Stream ICPI 2015 | 7, 8, 9

14:00

Ning Guai Li *On Sign and Information*
Fang Ren *Virtual Reality Technology and Ethics Construction*
Li Luo *Complexity Science and Research on Nonlinear Architecture*
Jian Wang *The constructive approach of informational ontology and the transformation of the notion of philosophy. Comparing the philosophy of information of Simondon and Wu Kun*

16:00

San Hu Li *Thinking Informatically through Nanoethics*
Yan Hong Ma *The fundamental changes in traditional Western value philosophy brought by information axiology of Wu Kun*
Lin Bi *View "common meaning space" in communication science by using information system theory*
Jie Feng *Analytical mental stress from philosophical dimension information*

18:00

Qiong Nan *The origin and genesis of experience of space and time—From the perspective of information*
Yan Yuan *On the problem of human nature recognition from the view of Information Philosophy*
Liang Wang *Study on Social Informatization from the Perspective of the Basic Characteristics of Information*

MS Admiral Tegetthoff

9:00 Social systems design and transformation

Speeches

Robert K. Logan *The Teleodynamics of Culture, Language, Organization, Science, Economics and Technology (CLOSET)*
Markus F. Peschl *Emergent Innovation: sustainable innovation as learning from the future as it emerges*

11:00 ICT and literature: metamorphosis of literature

Artistic works
Track: Presentations and round table

Bryan Barrachina *Cursed Poems*
David Clark *88 Constellations*
Domenico Chiappe *Hotel Minotauro/Minotaur Hotel (english and spanish)*
Rodolfo Mata *Silencio vacio*
Ottar Ormstad *When*
Jörg Piringer *Unicode*
Jaka Železnikar *More Sara's Giggles*
Alexandra Saemmer et Collectif hyperf iction *Conduit d'aération*
Aleix Corts and Cori Pedrola *Videolit: how to teach literature thanks to new media*

11:00 Open space

13:00 Homo sapiens before the information age

Walpurga Antl-Weiser, naturhistorisches museum wien
Communication and technology of early Homo sapiens in Europe from an archaeological perspective

13:00 Open space

14:30 to 17:30 Shore leave to Dürnstein

Excursion to Willendorf excavation site (shuttle available)

18:00 Closing Session

Social dinner