

ECAP10

VIII European Conference on Computing and Philosophy



PROGRAM

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SPECIALTALKS

MONDAY

09:00	09:30	Introduction: Information and Computation in the Age of Globalization	Klaus Mainzer	H1
09:30	10:30	The Construction of Personal Identities Online	Luciano Floridi	H1
14:00	15:00	Logic, Modelling and Computation	Manfred Broy	H1
18:30	19:30	Metaphysics of Action in a Digitalized World	Ruth Hagengruber	H1

TUESDAY

		Computing beyond Intelligent Design: Challenges for Life, Computer and Engineering Science	Christoph von der Malsburg	H1
09:00	10:00			
12:00	13:00	Robots, Embodied Intelligence and Philosophy	Rolf Pfeifer	H1
17:00	18:00	Challenges of Humanoid Robots	Gordon Cheng	H1

WEDNESDAY

		Information Conflicts – a New Philosophical Perspective	Mariariosaria Taddeo	H1
08:00	09:00			
09:00	09:30	The Networked Self in the Information Society	Philip Brey	H1
11:30	12:30	Artificial Emotions: Past, Presents and Future	Jordi Vallverdu	H1

OVERVIEW

Monday, October 4th			speaker	lecture room
08:00	12:00	Registration & coffee	Service Team	Magistrale
09:00	09:30	Introduction	Klaus Mainzer	H1
09:30	10:30	The Construction of Personal Identities Online	Luciano Floridi	H1
10:30	11:00	Specification and Artifact	Raymond Turner	H1
10:30	11:00	Information Ethics for Robotic Agents	Gordana Dodig-Crnkovic	H2
10:30	11:00	HOW DO PHILOSOPHERS THINK THEIR OWN DISCIPLINE? REPORTS FROM A KNOWLEDGE ELICITATION EXPERIMENT	Michele Pasin	H3
10:30	11:00	Infospheres between Nanosphere and Ideospheres	Jean Sallantin	Seminar
11:00	11:30	Software development: Out of the black box	Lindsay Smith	H1
11:00	11:30	Logic of Norms and Modal Logic: autonomous war robots and ethical norms notes from a legal perspective	Lothar Philipps	H2
11:00	11:30	The Cognitive Assistant	Alexey Nickolaevitch Lunarcharsky	H3
11:00	11:30	An investigation of the reliability of fault tolerant cognitive technical systems	Thierry Sop Njindam	Seminar
11:30	12:00	How Ontological Categories and Domain Concepts get together in Applied Ontology	Stefano Borgo	H1
11:30	12:00	Responding to Peter Asaro; a preliminary framework for the evaluation of robots	Aimee van Wynsberghe	H2
11:30	12:00	Philosophy of the Internet about the nature of the Internet	Laszlo Ropolyi	H3
11:30	12:00	Control Mechanisms in Information Systems: A Logical Approach to Machine Intelligence	Aziz Fevzi Zambak	Seminar
12:00	12:30	And the winner is...	Andreas Pietz	H1
12:00	12:30	SmartCCTV as ambient intelligence – moral agent or means to an end?	Andreas Traut	H2
12:00	12:30	Can Machines Have an Unconscious? Would They Have To?	Stefano Franchi	H3
12:00	12:30	Semiotics as Theoretical Underpinning for Language Acquisition in Developmental Robotics	Frank Förster	Seminar
12:30	13:00	Formalizing interaction as a property of modal dependently typed programming languages	Giuseppe Primiero	H1
12:30	13:00	Application of Computer Ethics	Esin Ceren Ahiska	H2
12:30	13:00	Are calculations on computers arguments?	Claus Beisbart	H3
12:30	13:00			Seminar
13:00	14:00	Lunch		Mensa

14:00	15:00	Logic, Modeling, and Computation	Manfred Broy	H1
15:00	15:30	How to Contain Inconsistency or, Why Wittgenstein only scratched the surface	Hendrik Decker	H1
15:00	15:30	Artificial Morality: Moral Desirability vs. Computational Feasibility	Henrik Carlsen	H2
15:00	15:30	Do abductive machines exist? Proposal for a multi-level concept of abduction	Sebastian Harrach (Pammer)	H3
15:00	15:30	Universal Machines and Partial Isomorphisms: Models of Intelligence in Turing's Imitation Game	Hajo Greif	Seminar
15:30	16:00	A SCIENTIFIC REALIST PERSPECTIVE FOR COMPUTER SCIENCE INQUIRY	Deepak Khazanchi	H1
15:30	16:00	Good and Grounded - Combining the empirical and axiological turn in computer ethics	Jonny H. Soraker	H2
15:30	16:00	Finitism of Formal Systems of Higher Order	Claus Akira Horodynski Matsushigue	H3
15:30	16:00	From Ability to Capability	Eric Bourreau	Seminar
16:00	16:30	What is "natural" about Computer Science?	John G. Geske	H1
16:00	16:30	You, robot: Ontology, appearance, and the linguistic construction of robots and human-robot relations	Mark Coeckelbergh	H2
16:00	16:30	Customizing Humanity : Governing Evolution in the Age of the Singularity	Scott Mt. Yim	H3
16:00	16:30	On The Other Hand: The Surprising Challenge of Conceptual Metaphor for Embodied Cognition	Robin L. Zebrowski	Seminar
16:30	17:00	Interpreters as computational mechanism	Javier O. Blanco	H1
16:30	17:00	Hybrid Anthropology - Non-human Actors and our Relations to them	Markus Fath	H2
16:30	17:00	Towards Empirical and Scientific Theories of Computation	Steven Meyer	H3
16:30	17:00	David Hartley in the twenty first century : Detecting and categorizing patterns associatively	Steve Olivecrona	Seminar
17:00	17:30	computer science must be naturalized... effectively!	Denis Chetwynd	H1
17:00	17:30	A Methodological Reflection on Converging Technologies (or, Wherein the Empirical is in Information Ethics?	Pak-Hong Wong	H2
17:00	17:30	E-Reading Philosophical Texts: On The Tension Between Dynamic Text Comprehension and the Irreversibility of Annotations on Paper	Jochen Huber	H3
17:00	17:30	Concept Detection	Tobias Koetter	Seminar
17:30	18:00	On Specification and other Formal Limitations of Formalized Ethical Concepts	RZB	H1
17:30	18:00	What Can the Internet Offer to Philosophy	Peter Bujinak	H2
17:30	18:00	Political and educational emergences in a new techno-social weaving in Colombia	Rocio Rueda Ortiz	H3
17:30	18:00	Robots, Trust and War	Thomas Simpson	Seminar
18:00	18:30	Abstraction in Mathematics and Computer Science	Uwe Riss	H1
18:00	18:30	Should robots that interact with humans look like humans?	Robert Gawnylczyk	H2
18:00	18:30	Simulating Time with Computers: implementation and experimentations	Michael Nicolaidis	H3
18:00	18:30	Uncanny Moral Behavior	Carson Reynolds	Seminar
18:30	19:30	Metaphysics of Action in a Digitalized World	Ruth Hagengruber	H1

Tuesday, October 5th				
08:00	08:30	Digested Information, a Non-Semantic Motivation for Agent-Agent Interaction	Christoph Salge	H1
08:00	08:30	On some ethical consequences of empathy with robots	Catrin Misselhorn	H2
08:00	08:30	The Singularity Hypothesis	Amnon Eden	H3
08:00	08:30	Enacting a Cognitive Domain in the Interaction with Perceptual Supplementation Technology: Embodied Action and the Case of Perceptual Ambiguity	Alfonsina Scarinzi	Seminar
08:30	09:00	Levels of Cognitive Extension	Holger Lyre	H1
08:30	09:00	Techno-Security. The Case of the Body Scanner	Jutta Weber	H2
08:30	09:00	How intelligible is intelligence? Implications for AI development trajectories	Anna W. Salamon	H3
08:30	09:00	How conscious the immune system can be?	Chiara Porcelluzzi	Seminar
09:00	10:00	Computing beyond Intelligent Design: Challenges for Life, Computer and Engineering Science	von der Malsburg	H1
10:00	10:30	There's Plenty of Boole at the Bottom! How to Overcome Information Entropy	Jacopo Tagliabue	H1
10:00	10:30	Just Tell Me That You Love Me: The ethics of social robotics	John P. Sullins	H2
10:00	10:30	How the Singularity of Artificial Intelligence might be achieved, and why it does not matter	Joscha Bach	H3
10:00	10:30	Hello Dave. Shall we continue the game? Questioning man-computer interactions.	Liesbeth De Mol	Seminar
10:30	11:00	The Role of Causally Relevant Properties in an Informational Theory of Causality	Christoph Schulz	H1
10:30	11:00	Art & Science - Some Reflections	Gerhard Spiglies	H2
10:30	11:00	Super-intelligence does not imply benevolence	Joshua Fox	H3
10:30	11:00	Modeling Leibniz's Monade by using Multi Agent System	Fuki Ueno	Seminar
11:00	11:30	Technical Agency – A minimal Theory of Mind	Gerhard Bukow	H1
11:00	11:30	On Digital Beings	Carl-Johan Rosén	H2
11:00	11:30	From mostly harmless to civilization-threatening: pathways to superintelligence	Kaj Sotala	H3
11:00	11:30	Simulating Science? Computer Simulation versus Experiment.	Inga Bones	Seminar
11:30	12:00			H1
11:30	12:00	"Theatrum Scientiarum" An interdisciplinary effort to connect artistic and scientific manners	Ina Zimmermann	H2
11:30	12:00			H3
11:30	12:00	Towards a "Reading Spaces" Reification	Jean-Gabriel Ganascia	Seminar
12:00	13:00	Robotics, Embodied Intelligence, and Philosophy	Rolf Pfeifer	H1
13:00	14:00	Lunch		Mensa

14:00	14:30	What does it mean to do neuroscientific research on emotions and consciousness and does it allow or even need a computational perspective?	Günther Palm	H1
14:00	14:30	(A)Normality seen by an inhuman(e) eye. Concepts of deviance in human and mechanical surveillance	Alma Kolleck	H2
14:00	14:30	Deriving a Safe Ethical Structure for Intelligent Machines	Mark Waser	H3
14:00	14:30	A Social Epistemology for Epistemic Social Software	Judith Simon	Seminar
14:30	15:00	A critical investigation of the foundations of informational structural realism	Thomas Christopher Dasch	H1
14:30	15:00	Trusting our Distrust	Cecile K.M. Crutzen	H2
14:30	15:00	Economic Implications of Software Minds	Steven Kaas	H3
14:30	15:00	A Model for Memory: Synergies in sparse matrices	Klaus Praetor	Seminar
15:00	15:30	My best Friend, my Mac: Computers and Individuality	Hannes Bräutigam	H1
15:00	15:30	The Agency of Design in the Participatory Innovation Process	Diego Compagna	H2
15:00	15:30	Implications of a Software-limited Singularity	Carl M. Shulman	H3
15:00	15:30	What is a Formal Ontology? A Study in Meta-Ontology	Ludger Jansen	Seminar
15:30	16:00	What Is It Like to Be a Human? Consciousness, Free Will and Aesthetics From the Perspective of Information Integration	Marcin J. Schroeder	H1
15:30	16:00	Informational Precaution	Wolter Pieters	H2
15:30	16:00	Mechanists of the Revolution: The Case of Edison and Bell	Anthony Beavers	H3
15:30	16:00	The Extended Mind and the Digital Milieu	Yuk Hui	Seminar
16:00	16:30	Propositional Attitude Approaches in constructing Artificial Emotions in Androids	Wolfgang Gessner	H1
16:00	16:30	The Metaphysical Character of Information - Heidegger and Baudrillard	Andreas Beinsteiner	H2
16:00	16:30			H3
16:00	16:30	Philosophical consequences of free interaction between humans and robots	Tillmann Pross	Seminar
16:30	17:00			H1
16:30	17:00	Multilingualism and Cultural Diversity in IT and TC Field: A short theoretical and empirical discussion	Afsar Sohleila Sattari	H2
16:30	17:00			H3
16:30	17:00			Seminar
17:00	18:00	Challenges of Humanoid Robots	Gordon Cheng	H1
19:00	22:00	Optional: Banquet		

Wednesday, October 6th

08:00	09:00	Informational Conflicts a New Philosophical Perspective	Mariariosaria Taddeo	H1
09:00	09:30	The Networked Self in the Information Society	Philip Brey	H1
09:30	10:00	Surviving The Singularity	Raymond Reed Hardy	H1
10:00	10:30	Communication, control and freedom. For an archaeology of information technologies	Teresa Numerico	H1
10:30	11:00	Virtualized, Personalized and Ubiquitous Learning in Post-Industrial Society	Ilya Levin	H1
11:00	12:00	Artificial Emotions: Past, Present and Future	Jordi Vallverdu	H1
12:00	12:30	Presidential note / closing	Philip Brey	H1

**Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions**

Talks >> Rooms

H1

Monday, October 4th			speaker	session chair	track
09:00	09:30	Introduction	Klaus Mainzer	R. Z. Bengesz	
09:30	10:30	The Construction of Personal Identities Online	Luciano Floridi	R. Z. Bengesz	
10:30	11:00	Specification and Artifact	Raymond Turner	R.Z. Bengesz	Track 1: Philosophy of Computer Science
11:00	11:30	Software development: Out of the black box	Lindsay Smith	R.Z. Bengesz	Track 1: Philosophy of Computer Science
11:30	12:00	How Ontological Categories and Domain Concepts get together in Applied Ontology	Stefano Borgo	R.Z. Bengesz	Track 1: Philosophy of Computer Science
12:00	12:30	And the winner is...	Andreas Pietz	R.Z. Bengesz	Track 1: Philosophy of Computer Science
12:30	13:00	Formalizing interaction as a property of modal dependently typed programming languages	Giuseppe Primiero	R.Z. Bengesz	Track 1: Philosophy of Computer Science
14:00	15:00	Logic, Modeling, and Computation	Manfred Broy	Günther Palm	
15:00	15:30	How to Contain Inconsistency or, Why Wittgenstein only scratched the surface	Hendrik Decker	Günther Palm	Track 1: Philosophy of Computer Science
15:30	16:00	A SCIENTIFIC REALIST PERSPECTIVE FOR COMPUTER SCIENCE INQUIRY	Deepak Khazanchi	Günther Palm	Track 1: Philosophy of Computer Science
16:00	16:30	What is "natural" about Computer Science?	John G. Geske	Günther Palm	Track 1: Philosophy of Computer Science
16:30	17:00	Interpreters as computational mechanism	Renato Cherini	Günther Palm	Track 1: Philosophy of Computer Science
17:00	17:30	computer science must be naturalized... effectively!	Denis Chetwynd	Günther Palm	Track 1: Philosophy of Computer Science
17:30	18:00	On Specification and other Formal Limitations of Formalized Ethical Concepts	R.Z. Bengesz	Günther Palm	Track 1: Philosophy of Computer Science
18:00	18:30	Abstraction in Mathematics and Computer Science	Uwe Riss	Günther Palm	Track 1: Philosophy of Computer Science
18:30	19:30	Metaphysics of Action in a Digitalized World	Ruth Hagenruber	Günther Palm	

**Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions**

Tuesday, October 5th			speaker	session chair	track
08:00	08:30	Digested Information, a Non-Semantic Motivation for Agent-Agent Interaction	Christoph Salge	Gordana Dodig-Crnkovic	Track 3: Robotics, AI and Cognitive Systems
08:30	09:00	Levels of Cognitive Extension	Holger Lyre	Gordana Dodig-Crnkovic	Track 2: Philosophy of Information and Cognition
09:00	10:00	Computing beyond Intelligent Design: Challenges for Life, Computer and Engineering Science	Christoph von der Malsburg	Gordana Dodig-Crnkovic	
10:00	10:30	There's Plenty of Boole at the Bottom! How to Overcome Information Entropy	Jacopo Tagliabue	Gordana Dodig-Crnkovic	Track 2: Philosophy of Information and Cognition
10:30	11:00	The Role of Causally Relevant Properties in an Informational Theory of Causality	Christoph Schulz	Gordana Dodig-Crnkovic	Track 2: Philosophy of Information and Cognition
11:00	11:30	Technical Agency – A minimal Theory of Mind	Gerhard Bukow	Gordana Dodig-Crnkovic	Track 2: Philosophy of Information and Cognition
12:00	13:00	Robotics, Embodied Intelligence, and Philosophy	Rolf Pfeifer	Raymond Turner	
14:00	14:30	What does it mean to do neuroscientific research on emotions and consciousness and does it allow or even need a computational perspective?	Günther Palm	Raymond Turner	Track 4: Computational Neuroscience of Emotions and Consciousness
14:30	15:00	A critical investigation of the foundations of informational structural realism	Thomas Christopher Dasch	Raymond Turner	Track 4: Computational Neuroscience of Emotions and Consciousness
15:00	15:30	My best Friend, my Mac: Computers and Individuality	Hannes Bräutigam	Raymond Turner	Track 4: Computational Neuroscience of Emotions and Consciousness
15:30	16:00	What Is It Like to Be a Human? Consciousness, Free Will and Aesthetics From the Perspective of Information Integration	Marcin J. Schroeder	Raymond Turner	Track 4: Computational Neuroscience of Emotions and Consciousness
16:00	16:30	Propositional Attitude Approaches in constructing Artificial Emotions in Androids	Wolfgang Gessner	Raymond Turner	Track 4: Computational Neuroscience of Emotions and Consciousness
17:00	18:00	Challenges of Humanoid Robots	Gordon Cheng	Raymond Turner	

**Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions**

Wednesday, October 6th, 2010			speaker	session chair	track
08:00	09:00	Informational Conflicts a New Philosophical Perspective	Mariariosaria Taddeo	Klaus Mainzer	Track 6: From Information to Knowledge Society
09:00	09:30	The Networked Self in the Information Society	Philip Brey	Klaus Mainzer	Track 6: From Information to Knowledge Society
09:30	10:00	Surviving The Singularity	Raymond Reed Hardy	Klaus Mainzer	Track 6: From Information to Knowledge Society
10:00	10:30	Communication, control and freedom. For an archaeology of information technologies	Teresa Numerico	Klaus Mainzer	Track 6: From Information to Knowledge Society
10:30	11:00	Virtualized, Personalized and Ubiquitous Learning in Post-Industrial Society	Ilya Levin	Klaus Mainzer	Track 6: From Information to Knowledge Society
11:00	12:00	Artificial Emotions: Past, Present and Future	Jordi Vallverdu	Klaus Mainzer	
12:00	12:30	Presidential note / closing	Philip Brey		

**Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions**

Talks >> Rooms

H2

Monday, October 4th, 2010		speaker	session chair	track	
10:30	11:00	Information Ethics for Robotic Agents	Gordana Dodig-Crnkovic	Jutta Weber	Track 8: Information Ethics and Roboethics
11:00	11:30	Logic of Norms and Modal Logic: autonomous war robots and ethical norms notes from a legal perspective	Lothar Philipps	Jutta Weber	Track 8: Information Ethics and Roboethics
11:30	12:00	Responding to Peter Asaro; a preliminary framework for the evaluation of robots	Aimee van Wynsberghe	Jutta Weber	Track 8: Information Ethics and Roboethics
12:00	12:30	SmartCCTV as ambient intelligence – moral agent or means to an end?	Andreas Traut	Jutta Weber	Track 8: Information Ethics and Roboethics
12:30	13:00	Application of Computer Ethics	Esin Ceren Ahiska	Jutta Weber	Track 8: Information Ethics and Roboethics
15:00	15:30	Artificial Morality: Moral Desirability vs. Computational Feasibility	Henrik Carlsen	Jutta Weber	Track 8: Information Ethics and Roboethics
15:30	16:00	Good and Grounded - Combining the empirical and axiological turn in computer ethics	Jonny H. Soraker	Philip Brey	Track 8: Information Ethics and Roboethics
16:00	16:30	You, robot: Ontology, appearance, and the linguistic construction of robots and human-robot relations	Mark Coeckelbergh	Philip Brey	Track 8: Information Ethics and Roboethics
16:30	17:00	Hybrid Anthropology - Non-human Actors and our Relations to them	Markus Fath	Philip Brey	Track 8: Information Ethics and Roboethics
17:00	17:30	A Methodological Reflection on Converging Technologies (or, Wherein the Empirical is in Information Ethics?)	Pak-Hong Wong	Philip Brey	Track 8: Information Ethics and Roboethics
17:30	18:00	What Can the Internet Offer to Philosophy	Peter Bujinak	Philip Brey	Track 8: Information Ethics and Roboethics
18:00	18:30	Should robots that interact with humans look like humans?	Robert Gawnylczyk	Philip Brey	Track 8: Information Ethics and Roboethics

**Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions**

Tuesday, October 5th, 2010			speaker	session chair	track
08:00	08:30	On some ethical consequences of empathy with robots	Catrin Misselhorn	RZ Bengez	Track 8: Information Ethics and Roboethics
08:30	09:00	Techno-Security. The Case of the Body Scanner	Jutta Weber	RZ Bengez	Track 8: Information Ethics and Roboethics
10:00	10:30	Just Tell Me That You Love Me: The ethics of social robotics	John P. Sullins	RZ Bengez	Track 8: Information Ethics and Roboethics
10:30	11:00	Art & Science - Some Reflections	Gerhard Spiglies	RZ Bengez	Track 10: Crossroads
11:00	11:30	On Digital Beings	Carl-Johan Rosén	RZ Bengez	Track 10: Crossroads
11:30	12:00	"Theatrum Scientiarum" An interdisciplinary effort to connect artistic and scientific manners	Ina Zimmermann	RZ Bengez	Track 10: Crossroads
14:00	14:30	(A)Normality seen by an inhuman(e) eye. Concepts of deviance in human and mechanical surveillance	Alma Kolleck	Uwe Riss	Track 7: IT, Cultural Diversity and Technoscience Studies
14:30	15:00	Trusting our Distrust	Cecile K.M. Crutzen	Uwe Riss	Track 7: IT, Cultural Diversity and Technoscience Studies
15:00	15:30	The Agency of Design in the Participatory Innovation Process	Diego Compagna	Uwe Riss	Track 7: IT, Cultural Diversity and Technoscience Studies
15:30	16:00	Informational Precaution	Wolter Pieters	Uwe Riss	Track 7: IT, Cultural Diversity and Technoscience Studies
16:00	16:30	The Metaphysical Character of Information - Heidegger and Baudrillard	Andreas Beinsteiner	Uwe Riss	Track 7: IT, Cultural Diversity and Technoscience Studies
16:30	17:00	Multilingualism and Cultural Diversity in IT and TC Field: A short theoretical and empirical discussion	Afsar Sohleila Sattari	Uwe Riss	Track 7: IT, Cultural Diversity and Technoscience Studies

**Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions**

Talks >> Rooms

H3

Monday, October 4th		speaker	session chair	track	
10:30	11:00	HOW DO PHILOSOPHERS THINK THEIR OWN DISCIPLINE? REPORTS FROM A KNOWLEDGE ELICITATION EXPERIMENT	Michele Pasin	RZ Bengesz	Track 10: Crossroads
11:00	11:30	The Cognitive Assistant	Alexey Nickolaevitch Lunarcharsky	RZ Bengesz	Track 10: Crossroads
11:30	12:00	Philosophy of the Internet about the nature of the Internet	Laszlo Ropolyi	RZ Bengesz	Track 10: Crossroads
12:00	12:30	Can Machines Have an Unconscious? Would They Have To?	Stefano Franchi	RZ Bengesz	Track 10: Crossroads
12:30	13:00	Are calculations on computers arguments?	Claus Beisbart	RZ Bengesz	Track 10: Crossroads
15:00	15:30	Do abductive machines exist? Proposal for a multi-level concept of abduction	Sebastian Harrach (Pammer)	RZ Bengesz	Track 10: Crossroads
15:30	16:00	Finitism of Formal Systems of Higher Order	Claus Akira Horodyski Matsushigue	RZ Bengesz	Track 10: Crossroads
16:00	16:30	Customizing Humanity : Governing Evolution in the Age of the Singularity	Scott Mt. Yim	RZ Bengesz	Track 10: Crossroads
16:30	17:00	Towards Empirical and Scientific Theories of Computation	Steven Meyer	RZ Bengesz	Track 10: Crossroads
17:00	17:30	E-Reading Philosophical Texts: On The Tension Between Dynamic Text Comprehension and the Irreversibility of Annotations on Paper	Jochen Huber	RZ Bengesz	Track 10: Crossroads
17:30	18:00	Political and educational emergences in a new techno-social weaving in Colombia	Rocio Rueda Ortiz	RZ Bengesz	Track 10: Crossroads
18:00	18:30	Simulating Time with Computers: implementation and experimentations	Michael Nicolaidis	RZ Bengesz	Track 10: Crossroads

Coffee breaks: after two units,

talks: 20 min + 5 min questions

key notes: 45 - 50 min + 5 min questions

Tuesday, October 5th			speaker	session chair	track
08:00	08:30	The Singularity Hypothesis	Amnon Eden	Anthony Beavers	Track 9: Technological Singularity and Acceleration Studies
08:30	09:00	How intelligible is intelligence? Implications for AI development trajectories	Anna W. Salamon	Anthony Beavers	Track 9: Technological Singularity and Acceleration Studies
10:00	10:30	How the Singularity of Artificial Intelligence might be achieved, and why it does not matter	Joscha Bach	Anthony Beavers	Track 9: Technological Singularity and Acceleration Studies
10:30	11:00	Super-intelligence does not imply benevolence	Joshua Fox	Anthony Beavers	Track 9: Technological Singularity and Acceleration Studies
11:00	11:30	From mostly harmless to civilization-threatening: pathways to superintelligence	Kaj Sotala	Anthony Beavers	Track 9: Technological Singularity and Acceleration Studies
14:00	14:30	Deriving a Safe Ethical Structure for Intelligent Machines	Mark Waser	Amnon Eden	Track 9: Technological Singularity and Acceleration Studies
14:30	15:00	Economic Implications of Software Minds	Steven Kaas	Amnon Eden	Track 9: Technological Singularity and Acceleration Studies
15:00	15:30	Implications of a Software-limited Singularity	Carl M. Shulman	Amnon Eden	Track 9: Technological Singularity and Acceleration Studies
15:30	16:00	Mechanists of the Revolution: The Case of Edison and Bell	Anthony Beavers	Amnon Eden	Track 9: Technological Singularity and Acceleration Studies

Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions

Talks >> Rooms

Seminar

Monday, October 4th			speaker	session chair	track
10:30	11:00	Infospheres between Nanosphere and Ideospheres	Jean Sallantin	Holger Lyre	Track 3: Robotics, AI and Cognitive Systems
11:00	11:30	An investigation of the reliability of fault tolerant cognitive technical systems	Thierry Sop Njindam	Holger Lyre	Track 3: Robotics, AI and Cognitive Systems
11:30	12:00	Control Mechanisms in Information Systems: A Logical Approach to Machine Intelligence	Aziz Fevzi Zambak	Holger Lyre	Track 3: Robotics, AI and Cognitive Systems
12:00	12:30	Semiotics as Theoretical Underpinning for Language Acquisition in Developmental Robotics	Frank Förster	Holger Lyre	Track 3: Robotics, AI and Cognitive Systems
15:00	15:30	Universal Machines and Partial Isomorphisms: Models of Intelligence in Turing's Imitation Game	Hajo Greif	Jean Sallantin	Track 3: Robotics, AI and Cognitive Systems
15:30	16:00	From Ability to Capability	Eric Bourreau	Jean Sallantin	Track 3: Robotics, AI and Cognitive Systems
16:00	16:30	On The Other Hand: The Surprising Challenge of Conceptual Metaphor for Embodied Cognition	Robin L. Zebrowski	Jean Sallantin	Track 3: Robotics, AI and Cognitive Systems
16:30	17:00	David Hartley in the twenty first century : Detecting and categorizing patterns associatively	Steve Olivecrona	Jean Sallantin	Track 3: Robotics, AI and Cognitive Systems
17:00	17:30	Concept Detection	Tobias Koetter	Jean Sallantin	Track 3: Robotics, AI and Cognitive Systems
17:30	18:00	Robots, Trust and War	Thomas Simpson	Jean Sallantin	Track 3: Robotics, AI and Cognitive Systems
18:00	18:30	Uncanny Moral Behavior	Carson Reynolds	Jean Sallantin	Track 3: Robotics, AI and Cognitive Systems

**Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions**

Tuesday, October 5th		speaker	session chair	track	
08:00	08:30	Enacting a Cognitive Domain in the Interaction with Perceptual Supplementation Technology: Embodied Action and the Case of Perceptual Ambiguity	Alfonsina Scarinzi	Jean Sallantin	Track 5: Computational Approaches to Thoughts and Action
08:30	09:00	How conscious the immune system can be?	Chiara Porcelluzzi	Jean Sallantin	Track 5: Computational Approaches to Thoughts and Action
10:00	10:30	Hello Dave. Shall we continue the game? Questioning man-computer interactions.	Liesbeth De Mol	Jean Sallantin	Track 5: Computational Approaches to Thoughts and Action
10:30	11:00	Modeling Leibniz's Monade by using Multi Agent System	Fuki Ueno	Jean Sallantin	Track 5: Computational Approaches to Thoughts and Action
11:00	11:30	Simulating Science? Computer Simulation versus Experiment.	Inga Bones	Jean Sallantin	Track 5: Computational Approaches to Thoughts and Action
11:30	12:00	Towards a "Reading Spaces" Reification	Jean-Gabriel Ganascia	Jean Sallantin	Track 5: Computational Approaches to Thoughts and Action
14:00	14:30	A Social Epistemology for Epistemic Social Software	Judith Simon	Jean Sallantin	Track 5: Computational Approaches to Thoughts and Action
14:30	15:00	A Model for Memory: Synergies in sparse matrices	Klaus Praetor	Holger Lyre	Track 5: Computational Approaches to Thoughts and Action
15:00	15:30	What is a Formal Ontology? A Study in Meta-Ontology	Ludger Jansen	Holger Lyre	Track 5: Computational Approaches to Thoughts and Action
15:30	16:00	The Extended Mind and the Digital Milieu	Yuk Hui	Holger Lyre	Track 5: Computational Approaches to Thoughts and Action
16:00	16:30	Philosophical consequences of free interaction between humans and robots	Tillmann Pross	Holger Lyre	Track 5: Computational Approaches to Thoughts and Action

**Coffee breaks: after two units,
talks: 20 min + 5 min questions
key notes: 45 - 50 min + 5 min questions**

Alphabetic order

Esin Ceren Ahiska	Monday	12:30	13:00	H2	Application of Computer Ethics	Track 8: Information Ethics and Roboethics
Joscha Bach	Tuesday	10:00	10:30	H3	How the Singularity of Artificial Intelligence might be achieved, and why it does not matter	Track 9: Technological Singularity and Acceleration Studies
Anthony Beavers	Tuesday	15:30	16:00	H3	Mechanists of the Revolution: The Case of Edison and Bell	Track 9: Technological Singularity and Acceleration Studies
Andreas Beinsteiner	Tuesday	16:00	16:30	H2	The Metaphysical Character of Information - Heidegger and Baudrillard	Track 7: IT, Cultural Diversity and Technoscience Studies
Claus Beisbart	Monday	12:30	13:00	H3	Are calculations on computers arguments?	Track 10: Crossroads
R.Z. Benghez	Monday	17:30	18:00	H1	On Specification and other Formal Limitations of Formalized Ethical Concepts	Track 1: Philosophy of Computer Science
Inga Bones	Tuesday	11:00	11:30	Seminar	Simulating Science? Computer Simulation versus Experiment.	Track 5: Computational Approaches to Thoughts and Action
Stefano Borgo	Monday	11:30	12:00	H1	How Ontological Categories and Domain Concepts get together in Applied Ontology	Track 1: Philosophy of Computer Science
Eric Bourreau	Monday	15:30	16:00	Seminar	From Ability to Capability	Track 3: Robotics, AI and Cognitive Systems
Hannes Bräutigam	Tuesday	15:00	15:30	H1	My best Friend, my Mac: Computers and Individuality	Track 4: Computational Neuroscience of Emotions and Consciousness
Philip Brey	Wednesday	09:00	09:30	H1	The Networked Self in the Information Society	Track 6: From Information to Knowledge Society
Philip Brey	Wednesday	12:00	12:30	H1	Presidential note / closing	
Manfred Broy	Monday	14:00	15:00	H1	Logic, Modeling, and Computation	
Peter Bujinak	Monday	17:30	18:00	H2	What Can the Internet Offer to Philosophy	Track 8: Information Ethics and Roboethics
Gerhard Bukow	Tuesday	11:00	11:30	H1	Technical Agency – A minimal Theory of Mind	Track 2: Philosophy of Information and Cognition
Henrik Carlsen	Monday	15:00	15:30	H2	Artificial Morality: Moral Desirability vs. Computational Feasibility	Track 8: Information Ethics and Roboethics
Gordon Cheng	Tuesday	17:00	18:00	H1	Challenges of Humanoid Robots	
Renato Cherini	Monday	16:30	17:00	H1	Interpreters as computational mechanism	Track 1: Philosophy of Computer Science
Denis Chetwynd	Monday	17:00	17:30	H1	computer science must be naturalized... effectively!	Track 1: Philosophy of Computer Science
Mark Coeckelbergh	Monday	16:00	16:30	H2	You, robot: Ontology, appearance, and the linguistic construction of robots and human-robot relations	Track 8: Information Ethics and Roboethics
Diego Compagna	Tuesday	15:00	15:30	H2	The Agency of Design in the Participatory Innovation Process	Track 7: IT, Cultural Diversity and Technoscience Studies
Cecile K.M. Crutzen	Tuesday	14:30	15:00	H2	Trusting our Distrust	Track 7: IT, Cultural Diversity and Technoscience Studies

Thomas Christopher Dasch	Tuesday	14:30	15:00	H1	A critical investigation of the foundations of informational structural realism	Track 4: Computational Neuroscience of Emotions and Consciousness
Liesbeth De Mol	Tuesday	10:00	10:30	Seminar	Hello Dave. Shall we continue the game? Questioning man-computer interactions.	Track 5: Computational Approaches to Thoughts and Action
Hendrik Decker	Monday	15:00	15:30	H1	How to Contain Inconsistency or, Why Wittgenstein only scratched the surface	Track 1: Philosophy of Computer Science
Gordana Dodig-Crnkovic	Monday	10:30	11:00	H2	Information Ethics for Robotic Agents	Track 8: Information Ethics and Roboethics
Amnon Eden	Tuesday	08:00	08:30	H3	The Singularity Hypothesis	Track 9: Technological Singularity and Acceleration Studies
Markus Fath	Monday	16:30	17:00	H2	Hybrid Anthropology - Non-human Actors and our Relations to them	Track 8: Information Ethics and Roboethics
Luciano Floridi	Monday	10:00	10:30	H1	The Construction of Personal Identities Online	
Frank Förster	Monday	12:00	12:30	Seminar	Semiotics as Theoretical Underpinning for Language Acquisition in Developmental Robotics	Track 3: Robotics, AI and Cognitive Systems
Joshua Fox	Tuesday	10:30	11:00	H3	Super-intelligence does not imply benevolence	Track 9: Technological Singularity and Acceleration Studies
Stefano Franchi	Monday	12:00	12:30	H3	Can Machines Have an Unconscious? Would They Have To?	Track 10: Crossroads
Jean-Gabriel Ganascia	Tuesday	11:30	12:00	Seminar	Towards a "Reading Spaces" Reification	Track 5: Computational Approaches to Thoughts and Action
Robert Gawnylczyk	Monday	18:00	18:30	H2	Should robots that interact with humans look like humans?	Track 8: Information Ethics and Roboethics
John G. Geske	Monday	16:00	16:30	H1	What is "natural" about Computer Science?	Track 1: Philosophy of Computer Science
Wolfgang Gessner	Tuesday	16:00	16:30	H1	Propositional Attitude Approaches in constructing Artificial Emotions in Androids	Track 4: Computational Neuroscience of Emotions and Consciousness
Hajo Greif	Monday	15:00	15:30	Seminar	Universal Machines and Partial Isomorphisms: Models of Intelligence in Turing's Imitation Game	Track 3: Robotics, AI and Cognitive Systems
Ruth Hagengruber	Monday	18:30	19:30	H1	Metaphysics of Action in a Digitalized World	
Raymond Reed Hardy	Wednesday	09:30	10:00	H1	Surviving The Singularity	Track 6: From Information to Knowledge Society
Sebastian Harrach (Pammer)	Monday	15:00	15:30	H3	Do abductive machines exist? Proposal for a multi-level concept of abduction	Track 10: Crossroads
Jochen Huber	Monday	17:00	17:30	H3	E-Reading Philosophical Texts: On The Tension Between Dynamic Text Comprehension and the Irreversibility of Annotations on Paper	Track 10: Crossroads
Yuk Hui	Tuesday	15:30	16:00	Seminar	The Extended Mind and the Digital Milieu	Keynote
Ludger Jansen	Tuesday	15:00	15:30	Seminar	What is a Formal Ontology? A Study in Meta-Ontology	Track 5: Computational Approaches to Thoughts and Action

Steven Kaas	Tuesday	14:30	15:00	H3	Economic Implications of Software Minds	Track 9: Technological Singularity and Acceleration Studies
Deepak Khazanchi	Monday	15:30	16:00	H1	A SCIENTIFIC REALIST PERSPECTIVE FOR COMPUTER SCIENCE INQUIRY	Track 1: Philosophy of Computer Science
Tobias Koetter	Monday	17:00	17:30	Seminar	Concept Detection	Track 3: Robotics, AI and Cognitive Systems
Alma Kolleck	Tuesday	14:00	14:30	H2	(A)Normality seen by an inhuman(e) eye. Concepts of deviance in human and mechanical surveillance	Track 7: IT, Cultural Diversity and Technoscience Studies
Ilya Levin	Wednesday	10:30	11:00	H1	Virtualized, Personalized and Ubiquitous Learning in Post-Industrial Society	Track 6: From Information to Knowledge Society
Alexey Nickolaevitch Lunarcharsky	Monday	11:00	11:30	H3	The Cognitive Assistant	Track 10: Crossroads
Holger Lyre	Tuesday	08:30	09:00	H1	Levels of Cognitive Extension	Track 2: Philosophy of Information and Cognition
Klaus Mainzer	Monday	09:00	09:30	H1	Introduction Computing beyond Intelligent Design: Challenges for Life, Computer and Engineering Science	
Christoph von der Malsburg	Tuesday	09:00	10:00	H1		
Claus Akira Horodynski Matsushigue	Monday	15:30	16:00	H3		
Steven Meyer	Monday	16:30	17:00	H3	Towards Empirical and Scientific Theories of Computation	Track 10: Crossroads
Catrin Misselhorn	Tuesday	08:00	08:30	H2	On some ethical consequences of empathy with robots	Track 8: Information Ethics and Roboethics
Michael Nicolaidis	Monday	18:00	18:30	H3	Simulating Time with Computers: implementation and experimentations	Track 10: Crossroads
Thierry Sop Njindam	Monday	11:00	11:30	Seminar	An investigation of the reliability of fault tolerant cognitive technical systems	Track 3: Robotics, AI and Cognitive Systems
Teresa Numerico	Wednesday	10:00	10:30	H1	Communication, control and freedom. For an archaeology of information technologies	Track 6: From Information to Knowledge Society
Steve Olivecrona	Monday	16:30	17:00	Seminar	David Hartley in the twenty first century : Detecting and categorizing patterns associatively	Track 3: Robotics, AI and Cognitive Systems
Rocio Rueda Ortiz	Monday	17:30	18:00	H3	Political and educational emergences in a new techno-social weaving in Colombia	Track 10: Crossroads

Günther Palm	Tuesday	14:00	14:30	H1	What does it mean to do neuroscientific research on emotions and consciousness and does it allow or even need a computational perspective?	Track 4: Computational Neuroscience of Emotions and Consciousness
Michele Pasin	Monday	10:30	11:00	H3	HOW DO PHILOSOPHERS THINK THEIR OWN DISCIPLINE? REPORTS FROM A KNOWLEDGE ELICITATION EXPERIMENT	Track 10: Crossroads
Rolf Pfeifer	Tuesday	12:00	13:00	H1	Robotics, Embodied Intelligence, and Philosophy	
Lothar Philipps	Monday	11:00	11:30	H2	Logic of Norms and Modal Logic: autonomous war robots and ethical norms notes from a legal perspective	Track 8: Information Ethics and Roboethics Track 7: IT, Cultural Diversity and Technoscience Studies
Wolter Pieters	Tuesday	15:30	16:00	H2	Informational Precaution	
Andreas Pietz	Monday	12:00	12:30	H1	And the winner is...	Track 1: Philosophy of Computer Science
Chiara Porcelluzzi	Tuesday	08:30	09:00	Seminar	How conscious the immune system can be?	Track 5: Computational Approaches to Thoughts and Action
Klaus Praetor	Tuesday	14:30	15:00	Seminar	A Model for Memory: Synergies in sparse matrices	Track 5: Computational Approaches to Thoughts and Action
Giuseppe Primiero	Monday	12:30	13:00	H1	Formalizing interaction as a property of modal dependently typed programming languages	Track 1: Philosophy of Computer Science
Tillmann Pross	Tuesday	16:00	16:30	Seminar	Philosophical consequences of free interaction between humans and robots	Track 5: Computational Approaches to Thoughts and Action
Carson Reynolds	Monday	18:00	18:30	Seminar	Uncanny Moral Behavior	Track 3: Robotics, AI and Cognitive Systems
Uwe Riss	Monday	18:00	18:30	H1	Abstraction in Mathematics and Computer Science	Track 1: Philosophy of Computer Science
Laszlo Ropolyi	Monday	11:30	12:00	H3	Philosophy of the Internet about the nature of the Internet	Track 10: Crossroads
Carl-Johan Rosén	Tuesday	11:00	11:30	H2	On Digital Beings	Track 10: Crossroads

Anna W. Salamon	Tuesday	08:30	09:00	H3	How intelligible is intelligence? Implications for AI development trajectories	Track 9: Technological Singularity and Acceleration Studies
Christoph Salge	Tuesday	08:00	08:30	H1	Digested Information, a Non-Semantic Motivation for Agent-Agent Interaction	Track 3: Robotics, AI and Cognitive Systems
Jean Sallantin	Monday	10:30	11:00	Seminar	Infospheres between Nanosphere and Ideospheres	Track 3: Robotics, AI and Cognitive Systems
Afsar Sohleila Sattari	Tuesday	16:30	17:00	H2	Multilingualism and Cultural Diversity in IT and TC Field: A short theoretical and empirical discussion	Track 7: IT, Cultural Diversity and Technoscience Studies
Alfonsina Scarinzi	Tuesday	08:00	08:30	Seminar	Enacting a Cognitive Domain in the Interaction with Perceptual Supplementation Technology: Embodied Action and the Case of Perceptual Ambiguity	Track 5: Computational Approaches to Thoughts and Action
Marcin J. Schroeder	Tuesday	15:30	16:00	H1	What Is It Like to Be a Human? Consciousness, Free Will and Aesthetics From the Perspective of Information Integration	Track 4: Computational Neuroscience of Emotions and Consciousness
Christoph Schulz	Tuesday	10:30	11:00	H1	The Role of Causally Relevant Properties in an Informational Theory of Causality	Track 2: Philosophy of Information and Cognition
Carl M. Shulman	Tuesday	15:00	15:30	H3	Implications of a Software-limited Singularity	Track 9: Technological Singularity and Acceleration Studies
Judith Simon	Tuesday	14:00	14:30	Seminar	A Social Epistemology for Epistemic Social Software	Track 5: Computational Approaches to Thoughts and Action
Thomas Simpson	Monday	17:30	18:00	Seminar	Robots, Trust and War	Track 3: Robotics, AI and Cognitive Systems
Lindsay Smith	Monday	11:00	11:30	H1	Software development: Out of the black box	Track 1: Philosophy of Computer Science
Jonny H. Soraker	Monday	15:30	16:00	H2	Good and Grounded - Combining the empirical and axiological turn in computer ethics	Track 8: Information Ethics and Roboethics
Kaj Sotala	Tuesday	11:00	11:30	H3	From mostly harmless to civilization-threatening: pathways to superintelligence	Track 9: Technological Singularity and Acceleration Studies
Gerhard Spiglies	Tuesday	10:30	11:00	H2	Art & Science - Some Reflections	Track 10: Crossroads
John P. Sullins	Tuesday	10:00	10:30	H2	Just Tell Me That You Love Me: The ethics of social robotics	Track 8: Information Ethics and Roboethics
Mariariosaria Taddeo	Wednesday	08:00	09:00	H1	Informational Conflicts a New Philosophical Perspective	
Jacopo Tagliabue	Tuesday	10:00	10:30	H1	There's Plenty of Boole at the Bottom! How to Overcome Information Entropy	Track 2: Philosophy of Information and Cognition
Andreas Traut	Monday	12:00	12:30	H2	SmartCCTV as ambient intelligence – moral agent or means to an end?	Track 8: Information Ethics and Roboethics
Raymond Turner	Monday	10:30	11:00	H1	Specification and Artifact	Track 1: Philosophy of Computer Science

Fuki Ueno	Tuesday	10:30	11:00	Seminar	Modeling Leibniz's Monade by using Multi Agent System	Track 5: Computational Approaches to Thoughts and Action
Jordi Vallverdu	Wednesday	11:00	12:00	H1	Artificial Emotions: Past, Present and Future	
Mark Waser	Tuesday	14:00	14:30	H3	Deriving a Safe Ethical Structure for Intelligent Machines	Track 9: Technological Singularity and Acceleration Studies
Jutta Weber	Tuesday	08:30	09:00	H2	Techno-Security. The Case of the Body Scanner	Track 8: Information Ethics and Roboethics
Pak-Hong Wong	Monday	17:00	17:30	H2	A Methodological Reflection on Converging Technologies (or, Wherein the Empirical is in Information Ethics?)	Track 8: Information Ethics and Roboethics
Aimee van Wynsberghe	Monday	11:30	12:00	H2	Responding to Peter Asaro; a preliminary framework for the evaluation of robots	Track 8: Information Ethics and Roboethics
Scott Mt. Yim	Monday	16:00	16:30	H3	Customizing Humanity : Governing Evolution in the Age of the Singularity	Track 10: Crossroads
Aziz Fevzi Zambak	Monday	11:30	12:00	Seminar	Control Mechanisms in Information Systems: A Logical Approach to Machine Intelligence	Track 3: Robotics, AI and Cognitive Systems
Robin L. Zebrowski	Monday	16:00	16:30	Seminar	On The Other Hand: The Surprising Challenge of Conceptual Metaphor for Embodied Cognition	Track 3: Robotics, AI and Cognitive Systems
Ina Zimmermann	Tuesday	11:30	12:00	H2	"Theatrum Scientiarum" An interdisciplinary effort to connect artistic and scientific manners	Track 10: Crossroads