



Call for Papers

Computing and Philosophy

[ECAP10](#)

Technische Universität München, October 4-6, 2010

<http://www.cvl-a.de/ecap10>

!!! NEW DEADLINES !!!

IMPORTANT DATES

April 7th, 2010 May 9th, 2010:	Abstract submission deadline
May 9th, 2010: June 9th, 2010:	Notification of acceptance
May 31st, 2010: June 15th, 2010:	Early registration deadline
October 4 th – 6 th , 2010:	Conference

GENERAL INFORMATION

From Monday 4th to Wednesday 6th October, 2010 the European Conference on **COMPUTING AND PHILOSOPHY** (E-CAP 2010) will be held at the TUM – Technische Universität München. E-CAP is the European conference on Computing and Philosophy, the European affiliate of the International Association for Computing and Philosophy (IACAP). ECAP'10 is the eighth conference in the annual series.

PROGRAMME

The conference is interdisciplinary: we invite papers from philosophy, computer science, robotics, engineering sciences, social sciences and related disciplines. Computing and thinking are the two sides of the same coin: biocomputing, AI, logic, cognition, ontology, knowledge systems, simulations, robotics, affective computing, epistemology, infoethics, robotethics, history among others, are expressions of the conceptual crossroads between researchers all around the world. [ECAP10](#) will be devoted to the foundations and limits of man-machine interaction. Our thoughts and actions, our perception, imagination, and experience depend more and more on informational, computational, and robotic systems with increasing complexity and autonomy. What are their epistemic, ethical, and societal challenges for the future of mankind? [ECAP10](#) will promote scholarly dialogues on all aspects of this computational & informational turn of society and the use of computers and robots in the service of philosophy.

Part of the conference is a guided tour in the Center for New Technologies in the Deutsches Museum at the occasion of the exhibition „*Artificial Life in Practice? - An Exhibition on Robotics*“ and Robot Demonstrations in the *Research Laboratory of Robotics* (Technische Universität München)

ORGANIZATION

Klaus Mainzer, Philosophy of Science, Technology, and Engineering Department, Carl von Linde-Akademie, Technische Universität München, Germany (Program Chair)

PROGRAMME COMMITTEE

Philip Brey, Department for Philosophy of Technology and Engineering Science, University of Twente, Netherlands

Martin Buss, LSR – Institute for Automatic Control Engineering, Coordinator of the Excellence Research Cluster CoTeSys (Cognition in Technical Systems), Technische Universität München

Gordana Dodig-Crnkovic, School of Innovation, Design and Engineering, Mälardalen University, Sweden

Luciano Floridi, University of Hertfordshire and University of Oxford, UK,

Ruth Hagengruber, Department for Philosophy of Computer Science, Universität Paderborn

Wolfgang M. Heckl, Generaldirektor des Deutschen Museums (München)

Christoph von der Malsburg Department of Neuroinformatics, University of Bochum, FIAS, Frankfurt Institute for Advanced Study, Germany

Jean Sallantin, Directeur des Recherche au Laboratoire d'Informatique, de Robotique et de Microélectronique de Montpellier (LIRMM), France

Jordi Vallverdú, Philosophy Department, Universitat Autònoma de Barcelona, Spain

Walter Zimmerli, President of Technische Universität Cottbus

KEYNOTE SPEAKERS

Manfred Broy (TU, München): *Logic, Modeling, and Computation*

Ruth Hagengruber (University of Paderborn): *Philosophy's Task in Computation Science: Foundation or Critical Method?*

Christoph von der Malsburg (University of Bochum, FIAS): *Computing beyond Intelligent Design: Challenges for Life, Computer and Engineering Science*

Rolf Pfeifer (University of Zurich): *Robotics, Embodied Intelligence, and Philosophy*

Jordi Vallverdú (UAB, Barcelona): *Artificial Emotions: Past, Present and Future*

RELEVANT RESEARCH AREAS

We call for papers that cover topics pertaining to computing and philosophy from the following list (but not restricted to that list):

- Information and Knowledge Processing (Distributed Processing, Emergent Properties, Formal Ontology, Network Structures, etc)
- Philosophy of Computer Science
- Robotics, AI, and Ambient Intelligence
- Human-Machine Interaction and Explanation Capabilities
- Philosophy of Information Technology
- Neurocomputing and the Problem of Consciousness
- Computational Linguistics
- Computer-based Learning and Teaching Strategies and Resources
- The Impact of Distance Learning on the Teaching of Philosophy and Computing

- IT, Philosophy, Cultural Diversity, and Technoscience Studies
- Information and Computing Ethics: Roboethics
- Biocomputing, Artificial Life, Systems Biology
- Electronic Art
- Complexity and Emergency
- Imaging and Knowledge
- New Models of Logic Software
- Models & Simulations Epistemology
- Synthetic emotions

SUBMISSION PAPERS

Authors should submit an electronic version of an extended abstract (total word count approximately 1000 words). The file should also contain a 350 word abstract that will be used for the conference web site/booklet. Each abstract should indicate a first choice for the track to which it is submitted, as well as a second (third) choice for track. For the submission form have a look at our conference [web site](#).

TRACKS (and track chairs)

I. Philosophy of Computer Science:

Chair: Raymond Turner (Chair of Logic and Computation, University of Essex)

Chair: Rainhard Z. Benges (Philosophy of Science, Technology and, Engineering Department, TU München)

II. Philosophy of Information:

Chair: Luciano Floridi (Chair of Philosophy of Information and UNESCO Chair in Information and Computer Ethics, University of Hertfordshire, UK)

Chair: Holger Lyre (Lehrstuhl für Theoretische Philosophie / Philosophie des Geistes, Universität Magdeburg)

III. Robotics, AI, and Cognitive Systems:

Chair: Jean Sallantin (Directeur des Recherche au Laboratoire d'Informatique, de Robotique et de Microélectronique de Montpellier (LIRMM))

Chair: Michael Beetz (Chair for Computer Science, Head of IAS Group, TU München)

IV. Biocomputing, Organic Computing, Neurocomputing:

Chair: Günther Palm (Institut für Neuroinformatik, Universität Ulm)

Chair: Christoph von der Malsburg (Institut für Neuroinformatik, Universität Bochum, Frankfurt Institute for Advanced Study FIAS)

V. Computational Approaches to Thoughts and Actions:

Chair: Ruth Hagengruber (Chair of Philosophy, Universität Paderborn)

Chair: Uwe Riss (SAP Karlsruhe, Germany)

VI. From Information to Knowledge Society:

Chair: Klaus Kornwachs (Lehrstuhl für Technikphilosophie, TU Cottbus)

Chair: Philip Brey (Department of Philosophy of Technology and Engineering Science, University Twente, Netherlands)

VII. [IT, Cultural Diversity and Technoscience Studies](#)

Chair: Jutta Weber (Centre for Gender Research, University Uppsala, Sweden)

Chair: Charles Ess (Institute of Information and Media Studies, Aarhus University, Denmark)

VIII. [Information Ethics and Roboethics:](#)

Chair: Gordana Dodig-Crnkovic (School of Innovation, Design and Engineering, Mälardalen University, Sweden)

Chair: Kolja, Kühnlenz (Junior Fellow at IAS – Institute for Advanced Studies, TU München, Germany)

IX. [Technological Singularity and Acceleration Studies:](#)

Chair: Amnon Eden (School of Computer Science and Electronic Engineering, University of Essex)

Chair: Anthony Beavers (Department of Philosophy, The University of Evansville, USA)

X. [Crossroads:](#)

Chair: David Casacuberta (Philosophy Department, Universitat Autònoma de Barcelona)

Chair: Jan van Leeuwen (Center for Algorithmic and Center for Philosophy of Computer Science, Universiteit Utrecht, The Netherlands)

VENUE

The Technische Universität München (TUM: <http://www.tum.de>) is one of Germany's Universities of Excellence and according to QS World University Ranking 2009 the best German university (<http://www.topuniversities.com/university-rankings/world-university-rankings/2009/results>). Founded in 1868, it has a long historical tradition as Technical University. There are several famous research centers in, e.g., Garching, Weihenstephan, and Rechts der Isar. The conference will take place in the modern buildings of the Center for Mathematics and Computer Science near the Leibniz Computing Center in Garching. The organizing chair is head of the Carl von Linde Academy, the interdisciplinary center of TUM: <http://www.cvl-a.de> .

Important Information

At the same time to the ecap10 the Oktoberfest as well as the international trade fair EXPO REAL take place at Munich. For this reason hotel room prices are astronomically high and only few rooms are free. Please have a look at:

<http://www.cvl-a.de/ecap10/accomodation.html>

E-CAP conferences are organized under the supervision of the International Association for Computing and Philosophy (IACAP). Website: <http://ia-cap.org/> .