



Call for Papers
CiE 2009
Computability in Europe 2009:
Mathematical Theory and Computational Practice
19-24 July 2009
Heidelberg University



Important Dates

Submission deadline: 20 January 2009

Notification: 16 March 2009

Final version: 17 April 2009

Conference Site

www.math.uni-heidelberg.de/logic/cie2009/

CiE Series

www.ilic.uva.nl/CiE/

CiE Network

www.amsta.leeds.ac.uk/cie/

Programme Committee

Klaus Ambos-Spies (Heidelberg, co-chair)
Giorgio Ausiello (Rome)
Andrej Bauer (Ljubljana)
Arnold Beckmann (Swansea)
Olivier Bournez (Nancy)
Vasco Brattka (Cape Town)
Barry Cooper (Leeds)
Anuj Dawar (Cambridge)
Jacques Duparc (Lausanne)
Pascal Hitzler (Karlsruhe)
Rosalie Iemhoff (Utrecht)
Margarita Korovina (Siegen/Novosibirsk)
Hannes Leitgeb (Bristol)
Daniel Leivant (Bloomington)
Benedikt Löwe (Amsterdam)
Giancarlo Mauri (Milan)
Elvira Mayordomo (Zaragoza)
Wolfgang Merkle (Heidelberg, co-chair)
Andrei Morozov (Novosibirsk)
Dag Normann (Oslo)
Isabel Oitavem (Lisbon)
Luke Ong (Oxford)
Martin Otto (Darmstadt)
Prakash Panangaden (Montréal)
Ivan Soskov (Sofia)
Viggo Stoltenberg-Hansen (Uppsala)
Peter van Emde Boas (Amsterdam)
Jan van Leeuwen (Utrecht)
Philip Welch (Bristol)
Richard Zach (Calgary)

CiE 2009 is the fifth conference in a new conference series which serves as an interdisciplinary forum for researchers into all aspects of computability and the foundations of computer science. The conference series in general welcomes contributions involving theoretical approaches to practical computational problems in many different areas. This includes (but is not limited to) neural networks, quantum computation, natural computation, molecular computation, bioinformatics, physics of computations, computational learning, proof theory, classical computability, computable structures, proof complexity, constructive mathematics, hypercomputers, analogue computers, algorithms, and philosophy of computation.

CiE 2009 has a special focus on mathematical theory and computational practice and seeks contributions that apply theoretical results to practical issues or vice versa.

Tutorial Speakers

Pavel Pudlak (Prague)
Luca Trevisan (Berkeley)

Confirmed Invited Speakers

Manindra Agrawal (Kanpur)
Jeremy Avigad (Pittsburgh)
Peter Koepke (Bonn)
Phokion Kolaitis (San Jose)
Andrea Sorbi (Siena)
Vijay Vazirani (Atlanta)

Special Sessions

Algorithmic Randomness
Computational Model Theory
Computation in Biological Systems
Optimization and Approximation
Philosophical and Mathematical Aspects of Hypercomputation
Relative Computability

The Programme Committee cordially invites all researchers in the area of the conference to submit their papers (in PDF format, at most 10 pages) for presentation at CiE 2009. We particularly invite papers that build bridges between different parts of the research community. Since women are underrepresented in mathematics and computer science, we emphatically encourage submissions by female authors.

The proceedings will be published within Springer's LNCS series. For more information on the submission process, see the conference website.