Final Call for Papers

Computability in Europe

CiE 2017: Unveiling Dynamics and Complexity

Turku, Finland
June 12th − 16th, 2017
`http://math.utu.fi/cie2017/`

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Association CiE:
`http://computability.org.uk`

CiE Conference Series:
`http://illc.uva.nl/CiE`

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`https://www.fb.com/CIE.Conference2017`

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`https://instagram.com/cie.2017`

Organized by:
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    University of Turku

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CiE 2017 is the thirteenth conference organized by CiE (Computability in Europe), a European association of mathematicians, logicians, computer scientists, philosophers, physicists and others interested in new developments in computability and their underlying significance for the real world.

Previous meetings have taken place in Amsterdam (2005), Swansea (2006), Siena (2007), Athens (2008), Heidelberg (2009), Ponte Dalgada (2010), Sofia (2011), Cambridge (2012), Milan (2013), Budapest (2014), Bucharest (2015) and Paris (2016).

The Programme Committee cordially invites all researchers (European and non-European) to submit their papers in all areas related to computability for presentation at the conference and inclusion in the proceedings at

> `https://www.easychair.org/conferences/?conf=cie2017.`

Papers must be submitted in PDF format, using the LNCS style available at

> `ftp://ftp.springer.de/pub/tex/latex/llncs/latex2e/llncs2e.zip`

and should have a maximum of 10 pages, including references but excluding a possible appendix in which one can include proofs and other additional material. Papers that build bridges between different parts of the research community are particularly welcome.

The **conference proceedings** will be published by LNCS, Springer Verlag.

Tutorial Speakers:

- Denis R. Hirschfeldt   (University of Chicago)
- Daniel M. Gusfield   (University of California, Davis)

Invited Speakers:

- Scott Aaronson   (University of Texas at Austin)
- Karen Lange   (Wellesley College)
- Ludovic Patey   (Université Paris Diderot)
- Nicole Schweikardt   (Humboldt-Universität zu Berlin)
- Alexander Shen   (Université de Montpellier)
- Moshe Vardi   (Rice University)

Women in Computability program and grants:

We are happy to announce that the CiE Women in Computability program, coordinated by Special Interest Group Women in Computability offers four grants of up to 250 EUR for junior female researchers who want to participate in CiE 2017. Applications for this grant should be send to Liesbeth De Mol (liesbeth.demol@univ-lille3.fr) before 1 May 2017 and include a short cv (at most 2 pages) and contact information for an academic reference. Preference will be given to junior female researchers who are presenting a paper (including informal presentations) at CiE 2017.

Special Sessions:

Algorithmics for biology:

Organized by Paola Bonizzoni (Milano, Italy) and Veli Mäkinen (Helsinki, Finland). Speakers:
- Tobias Marschall   (Max-Planck-Institut für Informatik)
- Fabio Vandin   (University of Padova)
- Gregory Kucherov   (University Paris-Est Marne-la-Vallée)
- Gianluca Della Vedova   (University of Milano-Bicocca)

Combinatorics and algorithmics on words:

Organized by Tero Harju (Turku, Finland) and Dirk Nowotka (Kiel, Germany). Speakers:
- Stepan Holub   (Charles University in Prague)
- Pascal Ochem   (Université de Montpellier)
- Svetlana Puzynina   (Sobolev Institute of Mathematics and École Normale Supérieure de Lyon)
- Narad Rampersad   (University of Winnipeg)

Computability in analysis, algebra, and geometry:

Organized by Julia Knight (Notre Dame, USA) and Andrey Morozov (Novosibirsk, Russia). Speakers:
- Saugata Basu   (Purdue University)
- Margarita Korovina   (University of Aarhus)
- Alexander Melnikov   (University of California, Berkeley)
- Russell Miller   (Queens College, City University of New York)

Cryptography and information theory:

Organized by Delaram Kahrobaei (New York, USA) and Helger Lipmaa (Tartu, Estonia). Speakers:
- Jean-Charles Faugère   (Université Pierre et Marie Curie)
- Elham Kashefi   (University of Edinburgh-Scotland, Université Pierre et Marie Curie)
- Aggelos Kiayias   (University of Edinburgh)
- Ivan Visconti   (Università degli Studi di Salerno)

Formal languages and automata theory:

Organized by Juhani Karhumäki (Turku, Finland) and Alexander Okhotin (St. Petersburg, Russia). Speakers:
- Kai Salomaa   (Queen's University at Kingston)
- Martin Kutrib   (Justus-Liebig-Universität Gießen)
- Thomas Colcombet   (Université Paris Diderot)
- Artur Jez   (University of Wrocław)

History and philosophy of computing:
Special topic: History and foundations of recursion, in memory of Rósza Péter (1905-1977).

Organized by Liesbeth De Mol (Lille, France) and Giuseppe Primiero (London, United Kingdom). Speakers:
- Juliette Kennedy   (University of Helsinki)
- Jan von Plato   (University of Helsinki)
- Hector Zenil   (University of Oxford, and Karolinska Institute)
- Cliff Jones   (Newcastle University)