



Call for Papers

CMCS'16

The 13th International Workshop on
Coalgebraic Methods in Computer Science
2 – 3 April 2016
Eindhoven, the Netherlands
<http://www.coalg.org/cmcs16>



Objectives and scope

Established in 1998, the CMCS workshops aim to bring together researchers with a common interest in the theory of coalgebras, their logics, and their applications. As the workshop series strives to maintain breadth in its scope, areas of interest include neighbouring fields as well. Topics of interest include, but are not limited to, the following:

The theory of coalgebras (including set theoretic and categorical approaches) · Coalgebras as computational and semantical models (for programming languages, dynamical systems, term rewriting, etc.) · Coalgebras in (functional, object-oriented, concurrent, and constraint) programming · Model checking, theorem proving and deductive verification using coalgebraic techniques · Coalgebraic data types, type systems and behavioural typing · Proof principles and (coinductive) definitions for coalgebras (e.g. with bisimulations or invariants) · Coalgebras and algebras · Coalgebraic specification and verification · Coalgebras and (modal) logic · Coalgebra and control theory (notably of discrete event and hybrid systems) · Coalgebra in quantum computing · Coalgebra and game theory · Tools exploiting coalgebraic techniques

Venue and event

CMCS'16 will be held in Eindhoven, the Netherlands, co-located with ETAPS 2016, on 2 – 3 April 2016.

Important dates

Abstract regular paper	4 January 2016
Submission regular paper	13 January 2016
Notification regular papers	12 February 2016
Camera ready copy	19 February 2016
Submission short contribution	22 February 2016
Notification short contribution	6 March 2016

Programme committee

Paolo Baldan, University of Padova, Italy
Corina Cirstea, University of Southampton, United Kingdom
Ugo Dal Lago, University of Bologna, Italy
Ichiro Hasuo (chair), University of Tokyo, Japan
Tom Hirschowitz, CNRS and University of Savoie, France
Bart Jacobs, Radboud U. Nijmegen, the Netherlands
Shin-ya Katsumata, Kyoto University, Japan
Bartek Klin, University of Warsaw, Poland
Barbara Koenig, University of Duisburg-Essen, Germany
Stefan Milius, FAU Erlangen-Nuernberg, Germany
Matteo Mio, CNRS and ENS Lyon, France
Rasmus Mogelberg, IT Univ. of Copenhagen, Denmark
Larry Moss, Indiana University, United States
Fredrik Nordvall Forsberg, U. of Strathclyde, United Kingdom
Dirk Pattinson, Australian National University, Australia
Daniela Petrisan, Radboud U. Nijmegen, the Netherlands
Jean-Eric Pin, CNRS and Paris Diderot University, France
John Power, University of Bath, United Kingdom
Jurriaan Rot, University of Leiden, the Netherlands
Jan Rutten, CWI/Radboud U. Nijmegen, the Netherlands
Alexandra Silva, Univ. College London, United Kingdom
Joost Winter, University of Warsaw, Poland
James Worrell, University of Oxford, United Kingdom

Keynote speaker

Jiri Adamek, Braunschweig U. of Technology, Germany

Invited speakers

Andreas Abel, University of Gothenburg, Sweden
Filippo Bonchi, CNRS/ENS Lyon, France

Invited tutorial speakers

There will be a special session on weighted automata, with invited tutorials by
Borja Balle, Lancaster University, United Kingdom
Alexandra Silva, Univ. College London, United Kingdom

PC chair

Ichiro Hasuo, University of Tokyo, Japan

Publicity chair

Fabio Zanasi, ENS Lyon, France

Submission guidelines

We solicit two types of contributions: regular papers and short contributions. *Regular papers* must be original, unpublished, and not submitted for publication elsewhere. They should not exceed 20 pages in length in Springer LNCS style. *Short contributions* may describe work in progress, or summarise work submitted to a conference or workshop elsewhere. They should be no more than two pages. Regular papers and short contributions should be submitted electronically as a PDF file via the EasyChair system at <http://www.easychair.org/conferences/?conf=cmcs2016>. The proceedings of CMCS 2016 will include all accepted regular papers and will be published post-conference as a Springer volume in the IFIP-LNCS series. Accepted short contributions will be bundled in a technical report.