

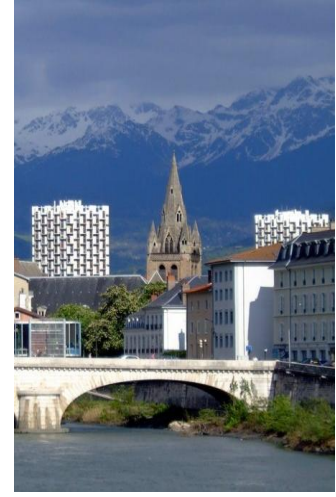


Call for Papers

CMCS'14

The 12th International Workshop on
Coalgebraic Methods in Computer Science
5 – 6 April 2014
Grenoble, France

<http://www.coalg.org/cmcs14>



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'14 will be held in Grenoble, France, co-located with ETAPS 2014, on 5 – 6 April 2014.

Important dates

Abstract regular paper	6 January 2014
Submission regular paper	10 January 2014 (strict)
Notification regular papers	14 February 2014
Camera ready copy	21 February 2014
Submission short contribution	23 February 2014 (strict)
Notification short contribution	9 March 2014

Keynote speaker

Davide Sangiorgi, Univ. of Bologna, IT

Invited speakers

Ichiro Hasuo, Univ. of Tokyo, JP
Marina Lenisa, Univ. of Udine, IT

Steering committee

Jiri Adamek, Technical Univ. of Braunschweig, DE
Marcello Bonsangue, Leiden Univ., NL
Corina Cirstea, Univ. of Southampton, UK
H. Peter Gumm (chair), Univ. of Marburg, DE
Bart Jacobs, Radboud Univ. Nijmegen, NL
Alexander Kurz, Univ. of Leicester, UK
Marina Lenisa, Univ. of Udine, IT
Ugo Montanari, Univ. of Pisa, IT
Larry Moss, Indiana Univ., US
Dirk Pattinson, Australian National Univ., AU
John Power, University of Bath, UK
Horst Reichel, Technical Univ. of Dresden, DE
Jan Rutten, CWI and Radboud Univ. Nijmegen, NL
Lutz Schröder, Univ. of Erlangen-Nuremberg, DE

PC chair

Marcello Bonsangue, Leiden Univ., NL

Publicity chair

Alexandra Silva, Radboud Univ. Nijmegen, NL

Programme committee

Andreas Abel, Ludwig-Maximilians-Univ. Munich, DE
Davide Ancona, Univ. of Genova, IT
Adriana Balan, Univ. Politehnica of Bucharest, RO
Marta Bilkova, Charles Univ., CZ
Filippo Bonchi, LIP ENS-Lyon, FR
Marcello Bonsangue (chair), Leiden Univ., NL
Joerg Endrullis, Free Univ. of Amsterdam, NL
Remy Haemmerle, Univ. Politecnica de Madrid, SP
Bart Jacobs, Radboud Univ. Nijmegen, NL
Dexter Kozen, Cornell University, US
Bartek Klin, Univ. of Warsaw, PL
Pierre Lescanne, ENS Lyon, FR
Stefan Milius, Univ. of Erlangen-Nuremberg, DE
Rob Myers, Technical Univ. of Braunschweig, DE
Dirk Pattinson, Australian National Univ., AU
Daniela Petrisan, Univ. of Leicester, UK
Grigore Rosu, Univ. of Illinois at Urbana-Champaign, US
Katsuhiko Sano, JAIST, Nomi, JP
Monika Seisenberger, Swansea Univ., UK
Ana Sokolova, Univ. of Salzburg, AT

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=cmcs2014>. The proceedings of CMCS 2014 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.