



CMCS'18

14th International Workshop on
Coalgebraic Methods in Computer Science
Thessaloniki, Greece, 14 - 15 April 2018
www.coalg.org/cmcs18



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, logic, answer set, object-oriented, concurrent, and constraint) programming • Coalgebraic data types, type systems and behavioural typing • Coinductive definition and proof principles for coalgebras (including "up-to" techniques) • Coalgebras and algebras • Coalgebras and (modal) logic • Coalgebraic specification and verification • 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'18 will be held in Thessaloniki, Greece, co-located with ETAPS 2018, on 14 - 15 April 2018.

Important Dates

Abstract regular papers	5 January 2018
Submission regular papers	12 January 2018
Notification regular papers	12 February 2018
Camera-ready copy	19 February 2018
Submission short contributions	23 February 2018
Notification short contributions	9 March 2018

Keynote Speaker

Samson Abramsky (University of Oxford, United Kingdom)

Invited Speaker

Clemens Kupke (University of Strathclyde, United Kingdom)

Daniela Petrisan (University Diderot Paris 7, France)

Invited Tutorial Speaker

Bob Coecke (University of Oxford, United Kingdom)

Aleks Kissinger (Radboud U. Nijmegen, The Netherlands)

PC Chair

Corina Cirstea (University of Southampton, United Kingdom)

Publicity Chair

Henning Basold (CNRS, ENS Lyon, France)

Programme Committee

Filippo Bonchi (University of Pisa, Italy)

Marcello Bonsangue (LIACS, Leiden University, The Netherlands)

Corina Cirstea (University of Southampton, United Kingdom)

Fredrik Dahlqvist (University College London, United Kingdom)

Ugo Dal Lago (University of Bologna, Italy)

Sergey Goncharov (FAU Erlangen-Nürnberg, Germany)

Helle Hvid Hansen (TU Delft, The Netherlands)

Ichiro Hasuo (National Institute of Informatics, Japan)

Bart Jacobs (Radboud University Nijmegen, The Netherlands)

Bartek Klin (University of Warsaw, Poland)

Paul Levy (University of Birmingham, United Kingdom)

Stefan Milius (FAU Erlangen-Nürnberg, Germany)

Lawrence Moss (Indiana University, United States)

Dirk Pattinson (Australian National University, Australia)

Dusko Pavlovic (University of Hawai'i at Mānoa, United States)

Daniela Petrisan (University Diderot Paris 7, France)

Damien Pous (CNRS, ENS Lyon, France)

Juriaan Rot (Radboud University Nijmegen, The Netherlands)

Jan Rutten (CWI/Radboud University Nijmegen, The Netherlands)

Lutz Schröder (FAU Erlangen-Nürnberg, Germany)

Alexandra Silva (University College London, United Kingdom)

Ana Sokolova (University of Salzburg, Austria)

Henning Urbat (Technische Universität Braunschweig, Germany)

Jamie Vicary (University of Oxford, United Kingdom)

Proceedings

The proceedings of CMCS 2018 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.