

Computer Science Logic 2016

CSL 2016, August 29 to September 1, 2016, Marseille, France

Edited by

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■ Preface

The annual conference Computer Science Logic (CSL 2016) of the European Association for Computer Science Logic (EACSL) was held in Marseille, from August 29 to September 1, 2016. CSL started as a series of international workshops on Computer Science Logic, and became at its sixth meeting the Annual Conference of the EACSL. This conference was the 30th workshop and 25th EACSL conference. The conference was jointly organized by the “Modelisation and Verification” Research Group of the Laboratoire d’Informatique Fondamentale de Marseille and the “Logic of programming” Research Group of the Institut de Mathématiques de Marseille.

A total of 122 abstracts were registered and 97 of these were followed by full papers submitted to CSL 2016. After a three week electronic meeting, the programme committee selected 37 papers for presentation at the conference and publication in the proceedings. Each paper was assigned to at least three programme committee members. The overall quality of the submissions was very high. This made the work of the programme committee a difficult task. There was an implicit limit on the number of accepted papers imposed by the four-days duration of the conference, hence the programme committee had to reject several good papers in the end. The programme committee was assisted by a number of external reviewers providing additional expertise. The list of external reviewers is included in these proceedings.

In addition to the contributed talks, CSL 2016 had four invited speakers: Libor Barto (Charles University Prague), Agata Ciabattoni (Technische Universität Wien), Anca Muscholl (Université de Bordeaux), and Alexandra Silva (University College London). The invited speakers have contributed an abstract which is included in the proceedings.

The Ackermann Award is the EACSL Outstanding Dissertation Award for Logic in Computer Science. This year, the jury decided to give the Ackermann Award for 2016 to Nicolai Kraus. The award was officially presented at the conference on August 31, 2016. The citation of the award, an abstract of the thesis and a biographical sketch of the recipient written by Thierry Coquand and Anuj Dawar is included in the proceedings.

Four satellite workshops were also organized before and after the conference on various related topics:

- CRECOGI: Concurrent, Resourceful and Effectful Computation by Geometry of Interaction (August 28);
- LCC’16: Logic and Computational Complexity 2016 (September 2 and 3);
- PLRR: Parametricity, Logical Relations and Realizability (September 2);
- QSLC: Quantitative Semantics of Logic and Computation (September 2 and 3).

We wish to thank all members of the programme committee and all external reviewers for their work on reviewing and discussing the papers. Our thanks also go to the members of the Organizing Committee and the Workshops Organizers for their valuable help to organize CSL 2016. Finally we want to address our warmfull thanks to Marc Herbstritt from the Dagstuhl/LIPICs team for assisting us in the production of the proceedings.

The conference received support from the Laboratoire d’Informatique Fondamentale de Marseille, from the Institut de Mathématiques de Marseille, from Aix-Marseille University, from the ARCHIMEDE Labex (ANR-11-LABX-0033) and the A*MIDEX project (ANR-11-IDEX-0001-02) funded by the “Investissements d’Avenir” French Government program, managed by the French National Research Agency (ANR). We thank these organizations for their generous supports.

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It is not possible to end this preface without a special notice for Helmut Veith who tragically disappeared this year. Helmut was a member of the EACSL board and has contributed twice to the organization of CSL. These proceedings contain one of his scientific publications. All the members of the programme and organization committees wish to express their sadness and sympathy to his colleagues, friends and relatives.

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