

Preface

The present volume contains the invited contributions and a selection of papers presented at the 16th International Conference on Membrane Computing (CMC16), which was held in Valencia, Spain, August 17–21, 2015 (website: <http://users.dsic.upv.es/workshops/cmc16/>), as well as three selected papers from the Asian Conference on Membrane Computing (ACMC) 2015, held in Anhui University, Hefei, Anhui, China, November 12–15, 2015 (website: <http://2015.asiancmc.org/>).

The CMC series started with three workshops organized in Curtea de Argeș, Romania, in 2000, 2001, and 2002. The workshops were then held in Tarragona, Spain (2003), Milan, Italy (2004), Vienna, Austria (2005), Leiden, The Netherlands (2006), Thessaloniki, Greece (2007), and Edinburgh, UK (2008).

The 10th edition was organized again in Curtea de Argeș, in August 2009, where it was decided to continue the series as the Conference on Membrane Computing (CMC). Subsequent editions were held in Jena, Germany (2010), Fontainebleau, France (2011), Budapest, Hungary (2012), Chișinău, Moldova (2013), and Prague, Czech Republic (2014).

A regional version of CMC, the Asian Conference on Membrane Computing, ACMC, started in 2012 in Wuhan (China), and continued in Chengdu, China (2013) and Coimbatore, India (2014).

CMC16 was organized, under the auspices of the European Molecular Computing Consortium (EMCC), by the Research Group on Computation Models and Formal Languages of the Universitat Politècnica de València and it was supported by the Escuela Técnica de Ingeniería Informática (ETSINF, UPV).

CMC16 consisted of three different parts: the first day was organized as a tutorial day, with lectures by Gheorghe Paun, Rudolf Freund, Claudio Zandron, Gyorgy Vaszil, and Agustín Riscos-Núñez. From Tuesday to Thursday the conference continued with standard sessions; invited lectures were given by Ion Petre (Abo Akademi University, Finland), Andrés Moya (Universitat de València, Spain), and Vincenzo Manca (University of Verona, Italy). The last day of the conference was devoted to the presentation of extended abstracts and to interaction between participants. Based on the votes of the CMC16 participants, the Best Paper Award of this edition was given to Rudolf Freund and Petr Sosík for their paper “On the Power of Catalytic P Systems with One Catalyst.”

The editors express their gratitude to the Program Committee, the invited speakers, the authors of the papers, the reviewers, and all the participants for their contributions to the success of CMC16.

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