

# Preface

This volume contains the invited contributions and a selection of papers presented at the 18th International Conference on Membrane Computing (CMC 18), which was held in Bradford, UK, during July 25–28, 2017 (further information can be found on the website at the following address: <http://computing.brad.ac.uk/cmc18/>), as well as one selected paper from the Asian Conference on Membrane Computing (ACMC 2017), which was held in Chengdu, China, during September 21–25, 2017 (website address: <http://2017.asiancmc.org/>).

The CMC series started with three workshops that were organized in Curtea de Argeş, 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 in Edinburgh, UK (2008).

The 10th edition was organized again in Curtea de Argeş, in August 2009, where it was decided to continue the series as the Conference on Membrane Computing (CMC). The following editions were held in Jena, Germany (2010), Fontainebleau, France (2011), Budapest, Hungary (2012), Chişinău, Moldova (2013), Prague, Czech Republic (2014), Valencia, Spain (2015), and Milan, Italy (2016).

A regional version of CMC, the Asian Conference on Membrane Computing, ACMC, started in 2012 in Wuhan (China), and continued in Chengdu, China (2013), Coimbatore, India (2014), Hefei, Anhui, China (2015), and Bangi, Selangor, Malaysia (2016).

CMC 18 was organized under the auspices of the International Membrane Computing Society and by the Modelling, Testing and Verification Research Group, School of Electrical Engineering and Computer Science, the University of Bradford, UK.

CMC 18 consisted of two parts: standard sessions, held from Tuesday to Thursday, and an interaction day between participants, held on Friday. Monday was the arrival day for most of the participants. The standard sessions included invited lectures given by Erzsébet Csuhaj-Varjú (Budapest, Hungary), Harold Fellermann (Newcastle, UK), Michael Fessing (Bradford, UK), and Maciej Koutny (Newcastle, UK).

The Best Student Paper Award, sponsored by Springer, was given to the paper “Generalized P Colony Automata and Their Relation to P automata,” by Kristóf Kántor and György Vaszil.

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 CMC 18. The support of the School of Electrical Engineering and Computer Science of the University of Bradford and the Prize for the Best Student Paper award granted by Springer are gratefully acknowledged.

November 2017

Marian Gheorghe  
Grzegorz Rozenberg  
Arto Salomaa  
Claudio Zandron

Membrane Computing

18th International Conference, CMC 2017, Bradford, UK,

July 25-28, 2017, Revised Selected Papers

Gheorghe, M.; Rozenberg, G.; Salomaa, A.; Zandron, C.

(Eds.)

2018, XVI, 293 p. 33 illus., Softcover

ISBN: 978-3-319-73358-6