



Call for Papers

19th International Conference on Membrane Computing (CMC19)



4 – 7 September, 2018, Dresden, Germany

<http://cmc19.uni-jena.de>

organised by the Friedrich-Schiller University Jena (Germany)
under the auspices of the International Membrane Computing Society (IMCS)

Aim and Scope

Membrane Computing is an area of computer science aiming to abstract computing ideas and models from the structure and the functioning of living cells, as well as from the way the cells are organized in tissues or higher order structures. It deals with **membrane systems**, also called **P systems**, which are distributed and parallel algebraic models processing **multisets** of objects in a localised manner (evolution rules and evolving objects are encapsulated into compartments delimited by membranes), with an essential role played by the communication among compartments and with the environment.

CMC19 aims at continuing the fruitful tradition of 18 previous editions enriched by some new ideas and inspirations emphasising multidisciplinary and innovative capacity. The conference is intended to bring together researchers working in Membrane Computing and related areas in a friendly atmosphere enhancing communication and cooperation. We are pleased to hold CMC19 at the hotel venue **NH Dresden-Neustadt, Hansastr. 43, D-01097 Dresden, Germany**.

CMC19 receives financial support by **Deutsche Forschungsgemeinschaft** (German Research Foundation, grant HI 801/4-1).

Dresden is said to be one of the most beautiful and picturesque cities in Germany. The former Saxonian Residence and now the capital of the German free state Saxony with approximately 560,000 inhabitants belongs to the most visited in Germany with 4.3 million overnight stays per year. Along the Elbe river, the royal buildings are among the highly impressive buildings in Europe. Further highlights like the **Frauenkirche** (Church of our Lady), famous museums, fascinating exhibitions of art, exquisite vineyards, and many further cultural attractions complete the long list of outstanding sights worth to be visited in Dresden and its environment.

Submission and Proceedings

Authors are invited to submit papers presenting original, unpublished research as a **PDF document**.

There are two tracks for submission:

(1) **full paper** (of a reasonable length)

(2) **extended abstract** for short presentation (maximum four pages).

Typical extended abstracts present significant work-in-progress, late-breaking results, or contributions from students new in the field or at the start of their research career.

Only electronic submissions are accepted. Papers should be formatted according to the usual LNCS article style which can be downloaded at Springer's LNCS website (<http://www.springer.com/lncs>). Simultaneous submission to other conferences or workshops with published proceedings is not allowed.

Submissions will be handled via **EasyChair**.

To submit your contribution, please follow this link:

<https://www.easychair.org/conferences/?conf=cmc19>

All submissions will be reviewed by at least three referees. To ensure inclusion of an accepted contribution into the (pre)proceedings volume, at least one of its authors must be registered for CMC19. The pre-proceedings volume will be available during the conference. The final proceedings, a volume in **Springer Lecture Notes in Computer Science** series (LNCS), for selected and additionally refereed papers, will be published after CMC19. In addition, a selection of best papers is planned to be published within the new **Springer Journal of Membrane Computing**.

Springer will sponsor the **Best Student Paper Award** (EUR 500.00).

Dates and Deadlines

Submission deadline extended for one week and now firm.

Submission deadline: ~~April 30~~ May 07, 2018

Notification of acceptance: ~~June 04~~ June 07, 2018

Early bird registration: June 11, 2018

Camera-ready version: July 02, 2018

Registration deadline: July 02, 2018

Conference: September 04-07, 2018

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Contact Information

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