

# Call for Participation

## **Eighteenth Brainstorming Week on Membrane Computing (BWMC 2020)**

**Research Group on Natural Computing**

**Universidad de Sevilla, Spain**

**February 4-7, 2020. Sevilla, Spain**

<http://www.gcn.us.es>

<http://membranecomputing.net/IMCSBulletin>

**Goal:** Keeping the tradition of previous editions, the main goal is to provide an opportunity for interacting, and to use the friendly atmosphere of this dynamic meeting as an incubator for new joint works. Researchers working on Membrane Computing have always been an interdisciplinary community, and thus the meeting is open to researchers from other fields including (but not restricted to) Mathematics, Computer Science, Biology, Physics and Medicine. The Brainstorming Week is an excellent forum to discuss about potential collaborations and interdisciplinary approaches.

To this aim, the participants are invited to give short and provocative talks, challenging the audience with open problems, and possibly presenting some of their ongoing work. The program also includes joint work sessions (usually scheduled on the afternoons), so that the ideas raised in the presentations can be discussed in detail in small groups.

Researchers from MC community, and from other areas as well, are strongly encouraged to circulate open problems and research ideas before the event, even if they cannot attend the meeting (please send to {mdelamor,cgdiaz}@us.es your proposals, and we will post them on the BWMC web page).

**Dates:** February 4, 2020 (Tuesday) - February 7, 2020 (Friday)

**Organizing institution:**

- Research Group on Natural Computing (RGNC)  
Department of Computer Science and Artificial Intelligence  
Universidad de Sevilla

**Venue:**

- E.T.S. Ingeniería Informática  
Avda. Reina Mercedes s/n. (41012) Sevilla, Spain

**Web page:** News will be communicated through the BWMC'20 web page at the Research Group on Natural Computing: <http://www.gcn.us.es/18bwmc> and through the IMCS web page: <http://membranecomputing.net/IMCSBulletin>

**Proceedings:** Note that there is no submission process prior to the meeting. The proceedings volume will be composed with papers initiated during the BWMC and elaborated afterwards. As usual, it will be published as a research report of RGNC, and the copyright remains with authors, so that they are free to submit their work to conferences or journals. In addition, a selection of final papers will be invited to a special issue of the *Journal on Membrane Computing (JMEC)* (<https://www.springer.com/journal/41965>).

Here is the complete list of special issues devoted to previous editions (almost all of them indexed in the ISI-JCR). Since 2018, invited papers are submitted to the *Journal on Membrane Computing (JMEC)*.

- BWMC 2003: *Natural Computing* 2 (3), 2003, and *New Generation Computing* 22 (4), 2004;
- BWMC 2004: *Journal of Universal Computer Science* 10 (5), 2004, and *Soft Computing* 9 (5), 2005;
- BWMC 2005: *Int. Journal of Foundations of Computer Science* 17 (1), 2006;
- BWMC 2006: *Theoretical Computer Science* 372 (2-3), 2007;
- BWMC 2007: *Int. Journal of Unconventional Computing* 5 (5), 2009;
- BWMC 2008: *Fundamenta Informaticae* 87 (1), 2008;
- BWMC 2009: *Int. Journal of Computers, Control and Communication* 4 (3), 2009;
- BWMC 2010: *Romanian Journal of Information Science and Technology* 13 (2), 2010;
- BWMC 2011: *Int. Journal of Natural Computing Research* 2 (2-3), 2011;
- BWMC 2012: *Int. Journal of Computer Mathematics* 99 (4), 2013;
- BWMC 2013: *Int. Journal of Unconventional Computing* 9(5-6) 2013;
- BWMC 2014: *Fundamenta Informaticae* 134 (1-2), 2014;
- BWMC 2015: *Natural Computing* 15 (4), 2016;
- BWMC 2016: *Theoretical Computer Science* 724, 2018 (also including selected papers from ACMC 2016);
- BWMC 2017: *Theoretical Computer Science* – (in press, available online since 2018);

**Registration:** The participants should email Carmen Graciani ([cgdiaz@us.es](mailto:cgdiaz@us.es)) in order to pre-register. A registration fee of 100€ will be requested on arrival at the registration desk. This will cover workshop materials, coffee breaks, lunch, social dinner and proceedings. Several accommodation options are listed on the webpage of the BWMC'20 that need to be booked by the participants.

**Important advices:**

1. PhD students can apply for a waiver or a reduction of the registration fee. Requests will be received by email, and will be granted depending on the number of students registered and the available budget.
2. Bookings should be arranged the sooner the better, in order to avoid availability restrictions. In particular, reservations for university residences should be made not later than January 19, 2020 (by email to [cgdiaz@us.es](mailto:cgdiaz@us.es)).

**Organizing committee:**

- Gh. Păun, **Co-Chair**
- M.J. Pérez Jiménez, **Co-Chair**
- J. A. Andreu Guzmán
- C. Graciani
- M.Á. Martínez del Amor
- D. Orellana Martín
- I. Pérez Hurtado de Mendoza
- A. Riscos Núñez
- Á. Romero Jiménez
- L. Valencia Cabrera