

# ***Formal Methods Europe: report on activities in 2019***

## **The FME Board March 2020**

This report is a brief account of the association's activities between 1 January 2019 and 31 December 2019.

### **1. Board**

Board members during the period were Ana Cavalcanti (Chair), Lars-Henrik Eriksson (Secretary), Erik de Vink (up to the AGM, Treasurer,), Nico Plat (after the AGM, Treasurer), Stefania Gnesi (Symposia and Deputy Chair), Einar Broch Johnsen (Publications).

### **2. Membership]**

On 31 December 2019 the association had 358 members in total, an increase of 45 from the previous year.

269 members (75%) come from academic institutions, 65 (18%) from commercial institutions and 24 members (7%) have no affiliation or come from other institutions (e.g. non-academic research institutes). Roughly 71% of the members are based in Europe. Only a small part of the membership (estimated at less than 10%) is actively involved in FME activities.

103 of the members have a suspended status because of unknown contact details. (They could not be reached for an membership details update request in 2016.)

### **3. Symposia/Conferences**

#### *FM'19*

FM'19 was organised as part of the FMWEEK World Congress and held in Porto, Portugal, the week starting October 7, 2019. The general chair was José Nuno Oliveira (University of Minho) and the PC chairs were Maurice ter Beek (CNR-ISTI) and Annabelle McIver (Macquarie University). The I-day chairs were Joe Kiniry (Galois, Inc.) and Thierry Lecomte (ClearSy).

For the first time, the FM symposium had a "journal-first" session with presentations of previously published journal papers. 39 regular papers, 3 "journal-first" papers, 7 I-day papers and 10 Doctoral Symposium papers were accepted. FM 2019 invited speakers were Erik Poll, (Radboud University) June Andronick (Data61/CSIRO) and Shriram Krishnamurthi (Brown University), the I-Day invited speaker was Michael Leuschel (University of Düsseldorf) and the Doctoral Symposium invited speaker was Sung-Shik Jongmans (CWI).

There were 186 registrations, but the actual numbers of attendants could be higher as participants in parallel FMWEEK events could also attend. FMWEEK included 8 other conferences. 18 workshops and 5 tutorials were organized as satellite events. FMWEEK had a total of 610 participants.

#### *FormaliSE*

FormaliSE was held on May 27, co-located with ICSE in Montréal, Canada. As usual Stefania Gnesi and Nico Plat were General Chairs. The PC chairs were Nancy Day (University of Waterloo) and Matteo Rossi (Politecnico di Milano). The event had

some 45 attendants and 13 papers were accepted. The keynote speaker was Jeff Joyce (Critical Systems Labs).

#### **4. Publications**

The FME website was maintained by Einar Broch Johnsen. The FME mailing lists were maintained by Lars-Henrik Eriksson and hosted by Uppsala University

FME maintains a list of FM events including important dates. The list is available on the FME web site.

The FME events@fmeurope.org e-mailing list is available for announcements related to established conferences in the FM area as well as events organised or sponsored by FME.

FME also has a presence on the LinkedIn web site.

The FME Communications Committee has worked with widening the means of reporting information and spreading interest about FME.

#### **5. Grants and sponsorships**

During 2019, FME has sponsored the FormaliSE 2019 conference. Refer to the Financial Report for details.

#### **6. Special Interest Groups**

FME currently has no Special Interest Groups.

#### **7. Standing Committees**

FME currently has five standing committees: The Book Review Committee (contact: Matteo Rossi), the Awards Committee (contact: Augusto Sampaio), the Teaching Committee (contact: Luigi Petre), the Communications Committee (contact: Einar Broch Johnsen), and the Industry Committee (contact: Klaus Havelund).

#### **8. Industry-Research Collaboration**

FME has a Memorandum of Understanding with FMICS to collaborate in holding an annual joint industry-focussed event.

There is also a Memorandum of Understanding between FME and the British Computer Society Specialist Group on Formal Aspects of Computing Science (BCS-FACS) on holding an annual joint seminar.

#### **9. Meetings**

Two meetings were held in 2019. The AGM was held in London (United Kingdom) on April 3. For the first time, FME also made participation via weblink possible. 20 members participated in the meeting, of which 10 by weblink. A business meeting was held in Porto (Lisbon) on October 9 during the FM 2019 Symposium. 32 members and 10 non-members participated in that meeting.

Additionally, the Board held board meetings both in connection with FME meetings and using Skype.

#### **10. Awards**

The FME Fellow Award was awarded to José Meseguer. The Peter Lucas award for a "highly influential paper" in Formal Methods was awarded to Paul Syverson and Stuart

Stubblebine for their paper "Group Principals and the Formalization of Anonymity", presented at the FM'99 World Congress.