

Formal Methods Europe: Management Report for 2025

The FME Board February 2025

This report is a brief account of the association's activities between 1 January 2024 and 31 December 2024. FME Committees prepare separate reports on their activities.

1. Board

Board members during the period were Ana Cavalcanti (Chair), Maurice ter Beek (Symposia and Deputy Chair), Lars-Henrik Eriksson (Secretary), Einar Broch Johnsen (Communications), and Nico Plat (Treasurer).

2. Membership

On 31 December 2023 the association had 480 members in total, an increase of 26 from the previous year.

373 members (78%) come from academic institutions, 71 (15%) from commercial institutions and 36 members (7%) have no affiliation or come from other institutions (e.g. non-academic research institutes). The proportion of commercial members shows a slightly decreasing trend over time. Roughly 72% of the members are based in Europe. Only a small part of the membership (estimated at 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 a membership details update request in 2016.) With the new statutes adopted during 2023, these memberships could be terminated.

3. Symposia/Conferences

FormaliSE

FormaliSE was held in Lisbon, Portugal, on April 14-15 in conjunction with ICSE 2024. The General Chairs were Stefania Gnesi (CNR-ISTI) and Nico Plat (Thanos). The PC chairs were Carlo A. Furia (Università della Svizzera Italiana) and Antónia Lopes (University of Lisbon). Raúl Pardo (IT University of Copenhagen) and Tom van Dijk (University of Twente) were Artifact Evaluation Chairs. Abhishek Tiwari (University of Southern Denmark) and Paulo Canelas (Carnegie Mellon University) were Social Media and Web Chairs. Cristian Cadar (Imperial College London) and Claire Dross (Adacode, Paris) were Invited Speakers. 14 papers (34%) were accepted out of 41 submissions. With 60 attendees, it was the most successful FormaliSE edition so far.

FM Symposium

The 26th International Symposium on Formal Methods was held at the Politecnico di Milano, Italy, on September 9th-13th. Together with colocated events, there were over 300 attendees in total with a daily average of around 200.

There were 5 colocated conferences, 5 colocated workshops and several tracks. The main track had 168 submissions of which 44 (26%) were accepted. Submissions and acceptance figures for the embedded systems track were 10 and 6, for the industry day 17 and 6 and for the tutorials 14 and 10. The Journal First track had 5 papers. These were the second highest submissions figures ever for an FM Symposium, surpassed only by the 1999 World Congress.

The proceedings amounted to 1200 pages in 2 volumes. This was the first time the FM proceedings were Open Access.

The General Co-Chairs were Matteo Pradella and Matteo Rossi (both of Politecnico di Milano). The PC chairs were André Platzer (Karlsruhe Institute of Technology) and Kristin Yvonne Rozier (Iowa State University). The invited speakers were David Basin (ETH Zürich), Hadas Kreiss-Gazit (Cornell University), Marta Kwiatkowska (University of Oxford) and Byron Cook (University College London and AWS). See information below about the FME Fellow Award.

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 to events organised or sponsored by FME and for positions related to FM.

FME also has a presence on the LinkedIn web site and has a YouTube channel.

5. Grants and sponsorships

Sponsorships were granted to FMAS, and ABZ during 2024.

6. Standing Committees

FME currently has five standing committees: the Awards Committee (contact: Jose Nuno Oliveira), the Book Review Committee (contact: Matteo Rossi), the Communications Committee (contact: Einar Broch Johnsen), the Industry Committee (contact: Tim Willemse), and the Teaching Committee (contact: Luigia Petre).

7. 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.

8. Meetings

Four meetings were held in 2024. One in London on February 1, the AGM online on June 26, one on September 12 during the FM Symposium in Milan, and a fourth online meeting on December 13.

Additionally, the Board held 6 online board meetings.

9. Awards

At the FM Symposium in Milan, Jeannette Wing received the FME Fellowship Award.

10. Other activities

FME made an agreement with Springer about conditions for Open Access of FM Symposia proceedings until 2028.

FME had discussions with other FM events about collaboration or merging of events. Also, the FM Symposia are planned to be yearly events from 2026 on.

Signed,

Ana Cavalcanti

Maurice ter Beek

Lars-Henrik Eriksson

Einar Broch Johnsen

Nico Plat