Formal Methods Europe
Minutes of the 78th meeting (AGM)
Held online

26 June 2024
www.fmeurope.org

Present at the meeting were:

- Ana Cavalcanti (Chair) [U. York]
- Davide Basile [CNR-ISTI]
- Maurice ter Beek [CNR-ISTI]
- Simon Bliudze [INRIA]
- Gustavo Carvalho [U. Federal de Pernambuco]
- John Cooke [Loughborough U.]
- Lars-Henrik Eriksson (Secretary) [Uppsala U.]
- Alessandro Fantechi [U. Firenze]
- Carlo A. Furia [U. della Svizzera italiana]
- Stefania Gnesi [CNR-ISTI]
- Einar Broch Johnsen [U. Oslo]
- Cliff Jones [Newcastle U.]
- Jeroen Keiren [TU Eindhoven]
- Matt Luckcuck [U. Liverpool]
- Doriana Medic [U. Turin]
- José Nuno Oliveira [U. of Minho]
- Luigia Petre [Åbo Akademi]
- Nico Plat [Thanos]
- Matteo Pradella [Politechnico di Milano]
- Pedro Ribeiro [U. York]
- Matteo Rossi [Politechnico di Milano]
- Jim Woodcock [U. York]

1 Welcome and agree upon agenda
Ana Cavalcanti welcomed the members present. She apologised for the clash with the ABZ conference. The agenda was agreed upon.

2 Minutes of the previous meeting
The minutes of the February 2024 meeting were approved.

3 Annual report for 2023
Lars-Henrik Eriksson presented the board's management report for 2023 (attached to the minutes). The meeting approved the report.

4 Elections
a) One board member, to serve until the 2027 AGM. In accordance with FME statutes, Lars-Henrik Eriksson stepped down as Board member. He had indicated his willingness to serve a further term. There were no other candidates to take his position. Lars-Henrik was reelected unopposed.

b) One Financial Committee member for 2024. According to new FME statutes, two Financial Committee members should be elected for a period of one year. One member (Simon Bliudze) was already elected for two years in 2023, following the provisions of the old statutes. Thus one additional member should be elected. Gustavo Carvalho offered to take this role. He was elected unopposed.

5 Status report on FM'24
Maurice ter Beek and Matteo Rossi reported on the progress of FM'24, to be held in Milan on September 9-13, 2024. Their presentation is attached to the minutes.

6 FormaliSE report

Stefania Gnesi, Nico Plat reported on FormaliSE 2024. The event took place on Sunday 14 April and Monday 15 April 2024, in Lisbon, Portugal, as a co-hosted conference of the International Conference on Software Engineering (ICSE2024). Carlo A. Furia (Switzerland) and Antónia Lopes (Portugal) were this year's PC Co-chairs. 41 papers were submitted, which is amongst the highest level in recent years, of which 14 were accepted (11 full research papers, 1 case study and 2 research ideas). The overall acceptance rate was 34%. As is common these days, artifact evaluations took place. Invited speakers were Cristian Cadar (Imperial College London, UK) and Claire Dross (Adacode, Paris, France). The vibrant, two-day event itself attracted 60 attendees, which makes it the most successful FormaliSE edition thus far. Details can be found at https://formalise2024.github.io.

FormaliSE 2025 will be held co-located with ICSE 2025, late April/early May 2025, in Ottawa, Ontario, Canada. PC Co-chairs (selected after consultation with the FormaliSE Steering Committee) will be Gwen Salaun (INRIA, France) and Anastasia Mavridou (NASA, USA).

Carlo Furia reported on a survey made at FormaliSE 2024. His presentation is attached to the minutes.

7 Book Review Committee report

Matteo Rossi reported from the Book Review Committee. The presentation is attached to the minutes.

8 Communications Committee report

Einar Broch Johnsen reported from the Communications Committee. The presentation is attached to the minutes.

9 Industry Committee report

Jeroen Keiren reported from the Industry Committee. The presentation is attached to the minutes. Discussion about financing professional production of tutorial videos. FME can contribute using the budget post for committee support, but the committee should also seek sponsoring.

10 Teaching Committee report

Luigia Petre reported from the Teaching Committee. The presentation is attached to the minutes.

11 Collaboration with BCS-FACS

FME and BCS-FACS reasserted their mutual collaboration.

12 Date and place of next meeting

The next meeting will be held on Thursday September 12, at 12:30-14:00, during FM'24 in Milan.

13 Other Business

Ana Cavalcanti reported on discussions among organisers of Formal Methods events about colocation and/or merging of events. Discussion. Ana invited comments from the membership.

Formal Methods Europe: Management Report for 2023

The FME Board
June 2024

This report is a brief account of the association's activities between 1 January 2023 and 31 December 2023. 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), Nico Plat (Treasurer).

2. Membership
On 31 December 2023 the association had 454 members in total, an increase of 14 from the previous year.

352 members (78%) come from academic institutions, 71 (16%) from commercial institutions and 32 members (7%) have no affiliation or come from other institutions (e.g. non-academic research institutes). The proportion of commercial members is constant compared to the year before, but 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 (see section 10 below), these memberships could be terminated.

3. Symposia/Conferences
FormaliSE
FormaliSE was held in Melbourne, Australia, on May 14-15 in conjunction with ICSE 2023. The General Chairs were Stefania Gnesi (CNR-ISTI) and Nico Plat (Thanos). Alessio Ferrari (CNR-ISTI) was Artifact Chair and Giovanna Broccia (CNR-ISTI) was Web and Publicity Chair. The PC chairs were Marie-Christine Jakobs (Technical University of Darmstadt) and Toby Murray (University of Melbourne). Annabelle Mciver (Macquarie University) and Paola Spoletini (Kennesaw State University) were Keynote Speakers. 14 papers were accepted out of 32 submissions.

FM Symposium
The 25th International Symposium on Formal Methods was held at the University of Lübeck, Germany, on March 6th-10th. This was the first physical symposium after the pandemic and was a success. The event had 204 attendees from 25 countries.

A total of 28 out of 95 submitted papers were accepted. It was the first time that double-blind reviewing was used. The number of submissions were lower than expected and less than the average of the previous decade. There are indications that this has happened to several Formal Methods-related events.

Also, 4 journal-first papers and 8 industry day papers were presented. There were 3 workshops and 4 tutorials accepted. For the first time the symposium included an Artifact Evaluation.

The General Chair was Martin Leucker (University of Lübeck) and the Local Organisation Chair was Martin Mildner (University of Lübeck). The PC chairs were Joost-Pieter Katoen (RWTH Aachen Universoity) and Marscha Chechik (University of Toronto). The keynote speakers were Jeanette Wing (Columbia University), Laura Kovács (Vienna University of Technology), Harald Ruess (Fortiss GmbH) and Nils Jansen (Radboud University Nijmegen). See below about the Lucas 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, ICTAC and SBMF during 2023.

***6*. Standing Committees**
FME currently has five standing committees: the Awards Committee (contact: Augusto Sampaio), 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
Two meetings were held in 2023. One during the FM Symposium in Lübeck and a second one as an online meeting on June 15. The second meeting was also the AGM.

Additionally, the Board held 5 online board meetings.

9. Awards
At the FM Symposium in Lübeck, Sandrine Blazy, Zaynah Dargaye and Xavier Leroy received the Peter Lucas Award for their highly influential paper "Formal Verification of a C Compiler Front-End" presented at the FM’06 Symposium.

10. Other activities
The board worked on new statutes. The new statutes are aligned with new legislation for associations in the Netherlands, where FME is registered. The statutes are also updated to better support how the association operates today as the old statutes had been unchanged since the association was founded in 1998. In particular the greatly increased number of members have made changes in management necessary. The new statutes were presented to the membership for comments in October 2023. (They were adopted with minor changes in February 2024.)

The association made efforts to contribute to the revised ACM curriculum CS2023, in order to get increase prominence for Formal Methods.

The association has signed an agreement with Springer for Open Access of Symposia proceedings beginning with FM'24.

Signed,

ACCavalcanti

Ana Cavalcanti

M. ter Beek

Maurice ter Beek

Lars-Henrik Eriksson

Einar Broch Johnsen

Nico Plat

Nico Plat



Formal Methods 2024

www.fm24.polimi.it

FM
Milano 2024

Milano, 9-13 September 2024

FM24 Week

- FM
  - 11-13 September
- 5 co-located events
  - 9-11 September
- 5 one-day workshops
  - 9-10 September

Main conference

- Several tracks:
  - Research track (André Platzer, Kristin-Yvonne Rozier)
  - Embedded Systems track (Alessandro Cimatti)
  - Tutorial papers track (Shriram Krishnamurthi, Luigia Petre)
  - Industry Day (Oksana Tkachuk, Tim Willemse)
  - Doctoral Symposium (Carlo A. Furia, Laura Kovacs)
  - Artifact Evaluation Committee (Carlos E. Budde, Arnd Hartmanns)
  - Journal-first track (Michael Butler)

Some numbers

- Research track
  - 178 submissions
  - 44 papers accepted
- Embedded Systems track
  - 17 submissions
  - 6 papers accepted
- Industry day track
  - 10 submissions
  - 5 (6?) papers accepted
- Tutorial papers track
  - 14 submissions
  - 10 papers accepted
- Doctoral Symposium
  - 15 submissions
- Artifacts
  - 45 submissions
- Journal-first track
  - 5 papers selected

- Total of 64 (65?) papers in proceedings

Registrations

- Registrations are open: https://www.fm24.polimi.it/?page_id=559
- Special fee for students who want to attend tutorials

Tutorials (tentative schedule)

- 6 half-day tutorials on Monday, September 9th
  - Morning:
    - The Pyramid Of (Formal) Software Verification
    - No risk, no fun: a tutorial on risk management
    - Advancing Quantum Computing with Formal Methods
  - Afternoon
    - Copilot Tutorial
    - ASMETA tool set for rigorous system design
    - Practical Deductive Verification of OCaml Programs
- 4 half-day tutorials on Tuesday, September 10th
  - Morning
    - Tutorial on CPAchecker
    - Satisfiability Modulo Theories: A Beginner's Tutorial
  - Afternoon
    - A Tutorial on Stream-based Monitoring
    - The Java Verification Tool KeY: A Tutorial

Co-located events

- TAP (Tests and Proofs)
  - 9-10 September
- FMICS (Formal Methods for Industrial Critical Systems)
  - 9-11 September
  - Synergy with I-Day
- LOPSTR (Logic-based Program Synthesis and Transformation)
  - 9-10 September
- PPDP (Principles and Practice of Declarative Programming)
  - 10-11 September
  - LOPSTR/PPDP go back-to-back
- FACS (Formal Aspects of Component Software)
  - 9-10 September

Workshops

- Program Analysis and Verification on Trusted Platforms (PAVeTrust)
  - 9 September
- 9th International Workshop on CPACHECKER
  - 9 September
- 22nd Overture Workshop
  - 10 September
- Formal Methods Teaching Workshop and Tutorial (FMTea)
  - 10 September
- TLA+ Community Meeting
  - 10 September

General co-chairs:

Matteo Pradella
Matteo Rossi

PC co-chairs:

André Platzer
Kristin-Yvonne Rozier

POLITECNICO
MILANO 1863

See you in Milano!

www.fm24.polimi.it

FM
Milano 2024

FormaliSE 2024 Evaluation Form

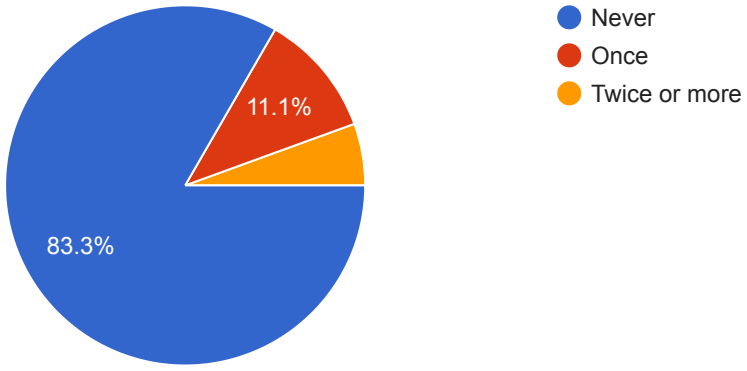
18 responses

Publish analytics

How many times have you previously attended FormaliSE prior to 2024?

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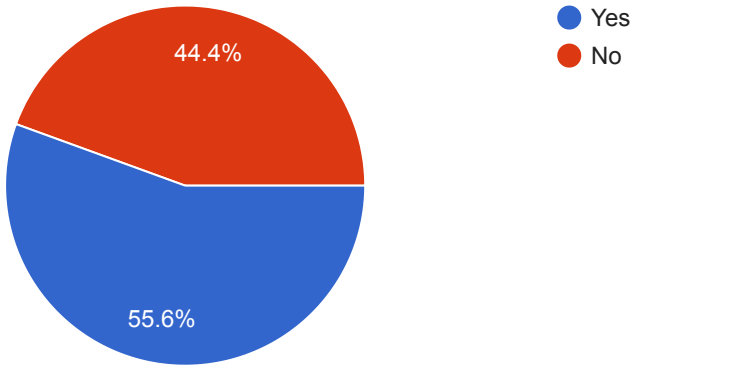
18 responses



Did you present at FormaliSE 2024?

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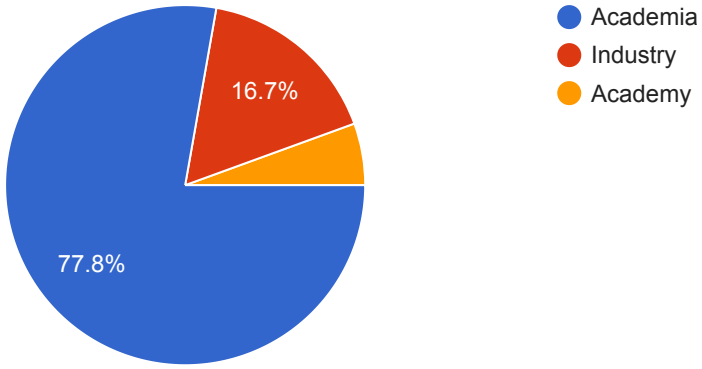
18 responses



Are you from academia or from industry?

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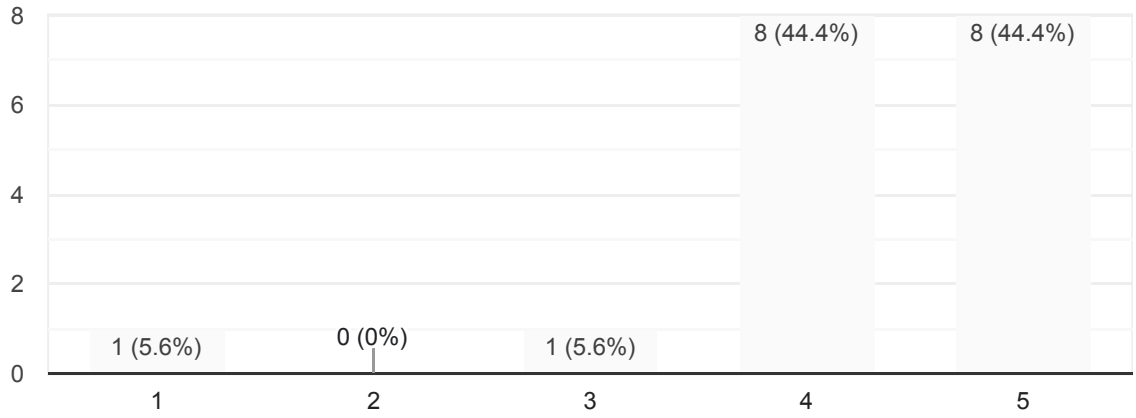
18 responses



What is your overall evaluation of the conference?

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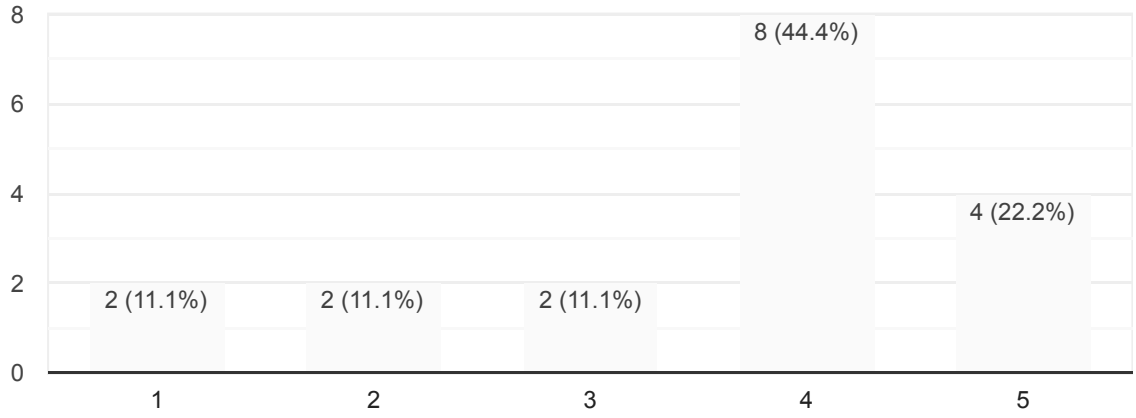
18 responses



How applicable was the content of the conference to your job/research?

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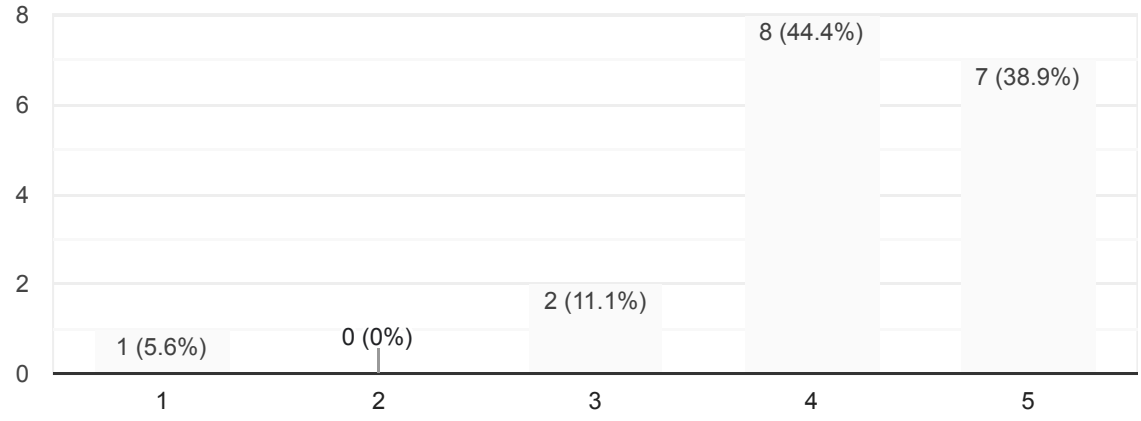
18 responses



How likely are you to recommend the conference to other colleagues ?

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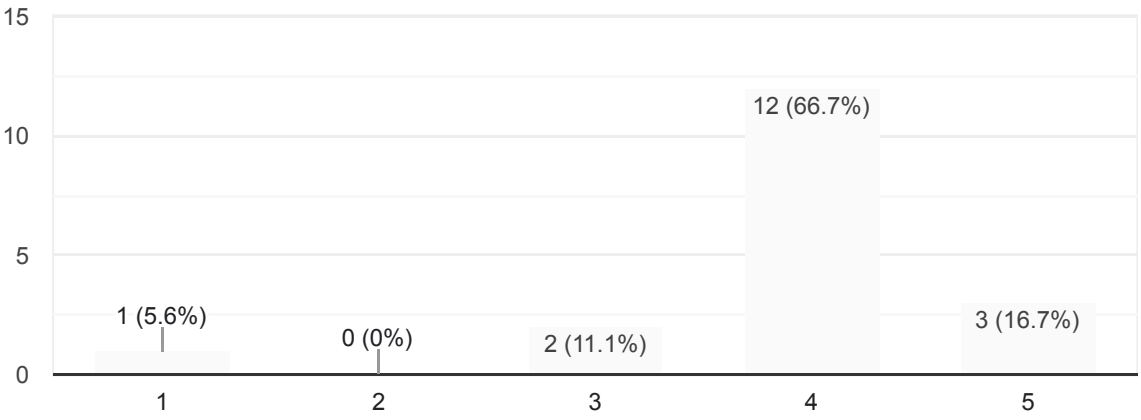
18 responses



How would you rate the overall content of the program?

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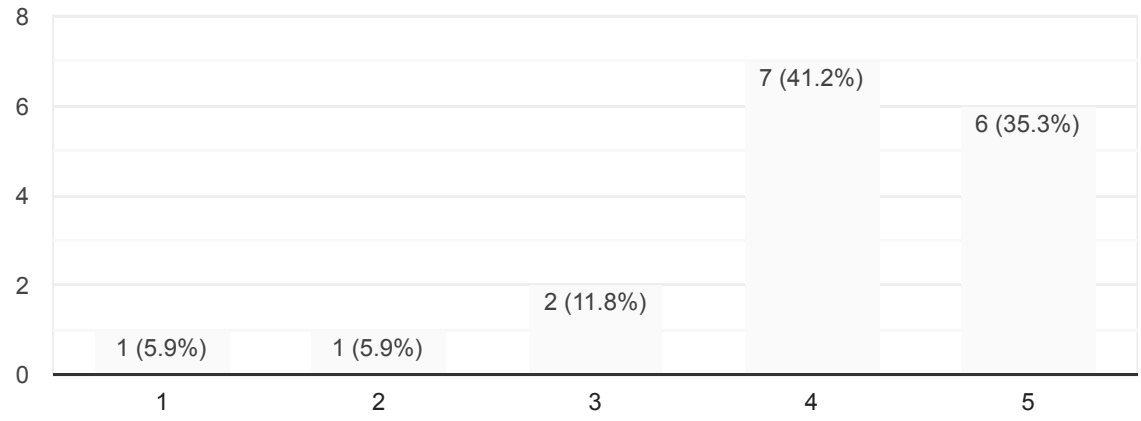
18 responses



How would you rate the quality of the technical presentations?

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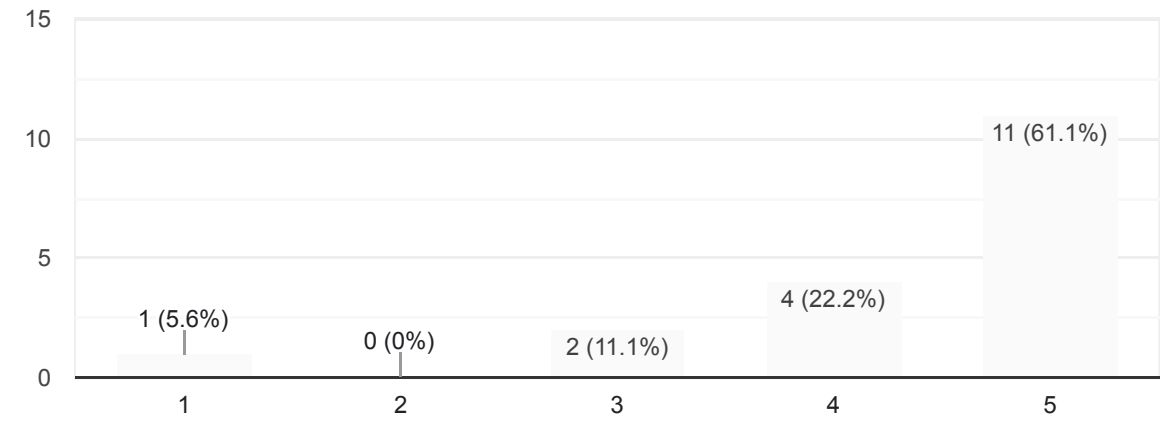
17 responses



How would you rate the quality of the keynote presentation?

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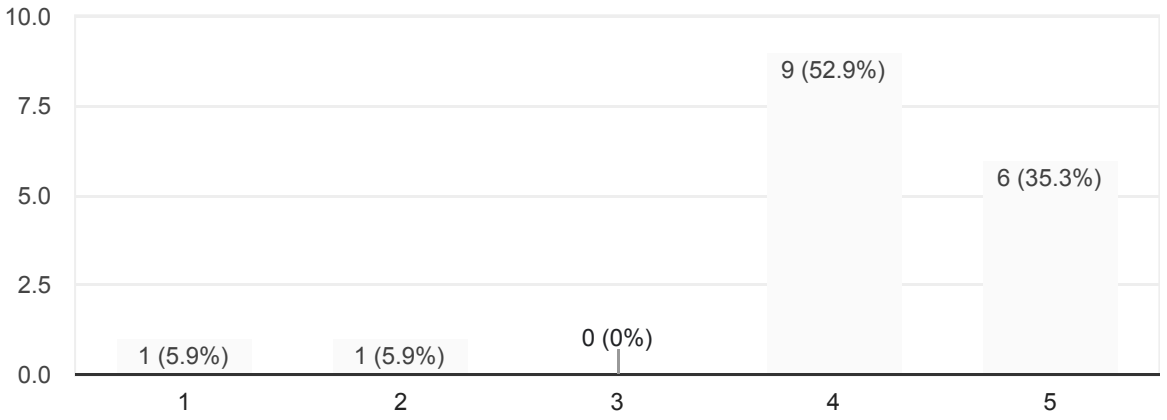
18 responses



How would you rate the quality of the papers?

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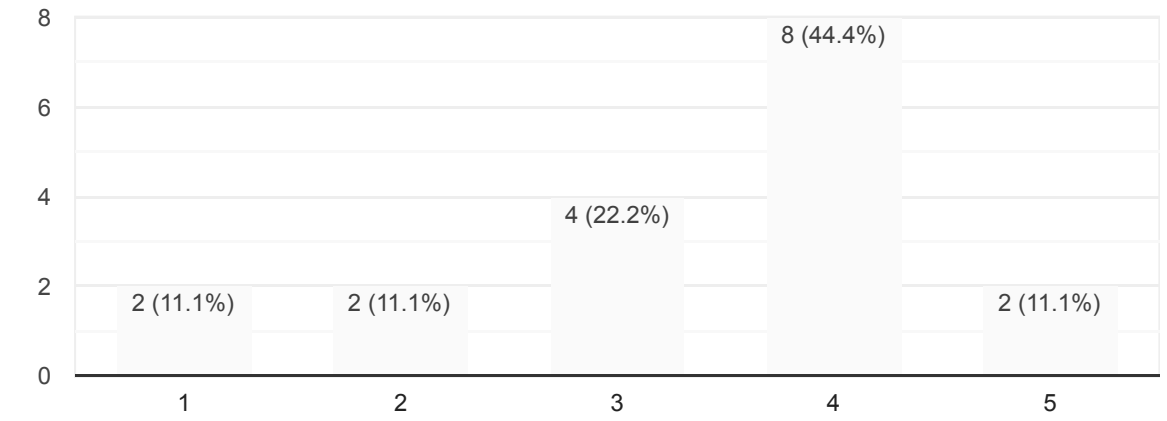
17 responses



How would you rate the potential impact of the presented results on software engineering in practice?

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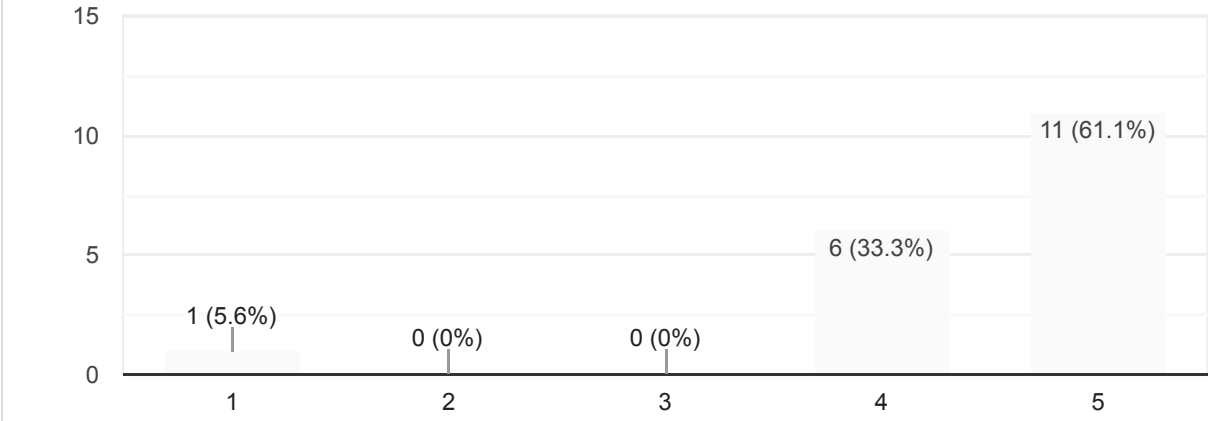
18 responses



How do you rate the organization of FormaliSE 2024?

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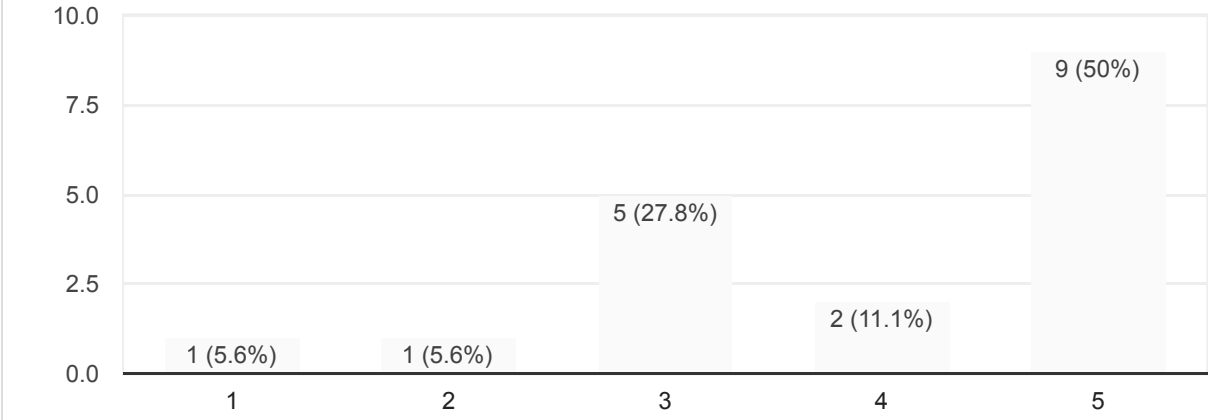
18 responses



How important is it for FormaliSE to be co-located with ICSE?

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18 responses



Could you see FormaliSE co-located with a different conference than ICSE? If so, which one (e.g., FM)?

9 responses

ASE or FSE

Yes, but it is important for the Formal Methods to spread into other research areas. Therefore, it is essential to be co-located with ICSE. There might be other SE conferences (MODELS, ...) to have a co-located conferences. Maybe, we should also co-locate the SEFM or iFM with other conferences.

I think this is nice to see FormaliSE in ICSE because formal methods are not covered in the main research track. Also ICSE is a (too?) big conference and therefore attracts newcomers who may benefit from formal methods in their software engineering research.

Prefer ICSE, it's good

FM

FSE

Better stay with SE conferences.

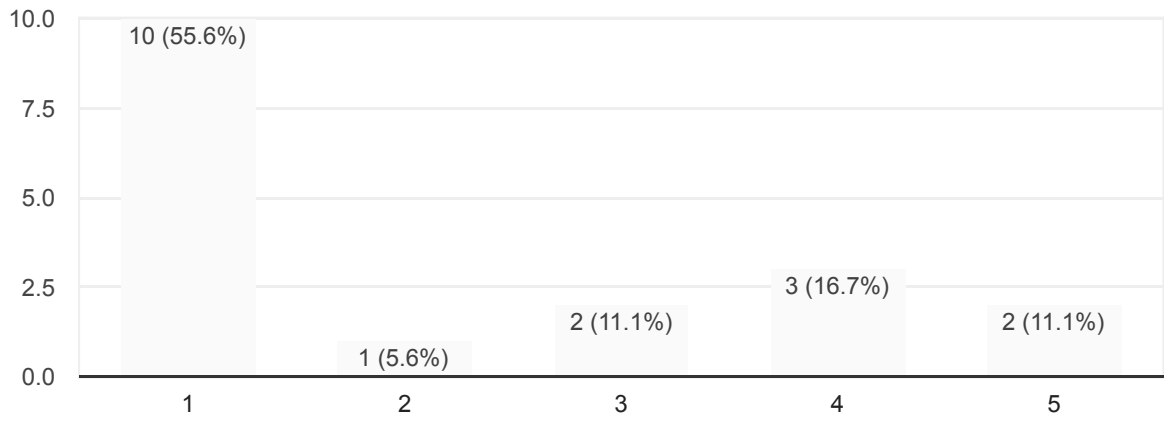
no, also because there is already SEFM that tries to liaise FM venues with the SE community

A think co-location with ICSE is a good option.

Would you like for FormaliSE to be offered as a hybrid conference (e.g., with some slots for remote participation)?

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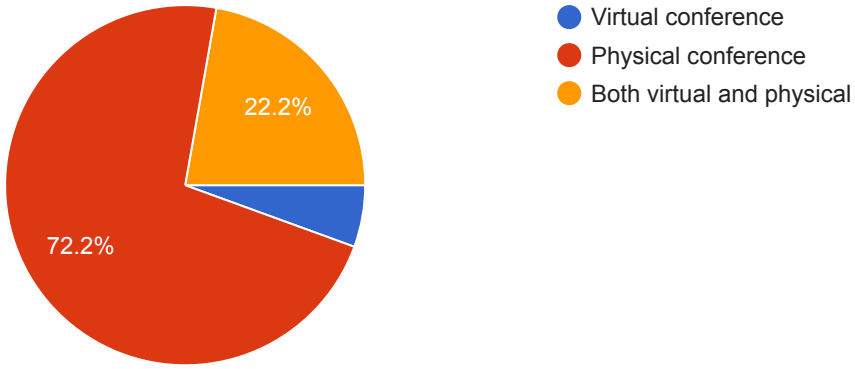
18 responses



How would you like FormaliSE to be held in the future (in normal conditions)?

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18 responses



Please provide any other comments or suggestions for improving FormaliSE (e.g., conference format, missing topics).

7 responses

I have the feeling that sub-conferences iFM, SEFM, FORMALISE, FMICS should have a more strategic planning by FME.

I have never attended a virtual conference but I did attend "video presentations". In my experience, recorded presentations are not very enjoyable I would thus prefer to either have a 100% physical or a 100% virtual conference but not a mix of both. Sadly this may be impractical as depending on the location of the conference, not every presenter may be able to attend due to financial reasons. A hybrid approach may thus be the better solution to avoid discriminating against people with less financial freedom.

In my case, I had an overlap with the conference on the Automation of Software Test. Generally, overlapping in co-located events is inevitable. However, since AST and FormaliSE are concerned with software verification and validation, maybe one could synchronise with the AST organisers to avoid too much overlapping in that case.

The social event (dinner) was amazing!

I want to thank the organizers again for the dinner they organized. It is much better than the ICSE banquet! Small groups enable us to chat casually.

The organization was excellent. Technical presentations were nice but the quality of the technical contributions and papers is rather low. It would be good if future organizers try to attract higher quality technical contributions, better artifacts etc. A focus on artifacts would be a great contribution to the community. I would also suggest adding a track where authors can present work that has already been published (in another conference, in a journal etc.) with the purpose of additional exposure and discussion.

This was not something that the organisers of FormaliSE could control, I think, but the room was too small and did not have good conditions for people to use a laptop for notes and other tasks.

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Report on the activity of the FME Book Review Committee

June 2024

The Book Review Committee (BRC), which was established by the FME board at the AGM held in Eindhoven in April 2016, has the aim of providing the FM community at large with high-quality reviews of books that are of interest for the community. Reviews should highlight the strengths and weaknesses of each book, to help researchers, students, and professionals in the FM domain in their searches for reference texts in their areas of interest.

The members of the BRC are the following:

- Simon Bliudze (INRIA Lille, FR)
- Wan Fokkink (Vrije Universiteit Amsterdam, NL)
- Einar Broch Johnsen (University of Oslo, NO)
- Constance Heitmeyer (Naval Research Laboratory, US)
- Matteo Rossi (Politecnico di Milano, IT, chair)

The committee is looking to add 1-2 new members to better support its activities.

We recap here the ground rules and procedures for the production of reviews.
Reviews will be managed by BRC members, and they could be performed by BRC members themselves, or by external people contacted by BRC members. Normally, the committee does not accept unsolicited reviews; however, it will be glad to consider suggestions for books to be reviewed.
The books to be reviewed should be of interest for the FM community, and they should be of reasonably recent publication (where “recent” can be a flexible concept, although indicatively the suggestion is to consider books that are not older than 4-5 years).

Reviews will not be anonymous. They will be published on the FME website. Reviews will also be referred for possible publication (possibly in revised form) in the Formal Aspects of Computing (FAOC) journal, but the final decision in this case rests with the editors of the journal.

The committee meets regularly (every 3 months) through conference calls to monitor the status of the activities of the committee.

Concerning the ongoing reviews, one review is in the final stages, and another is in draft form. Two other reviews are in the workings. Some of the past reviews have been also published in FAOC. In addition, new reviews are advertised through the FME mailing-lists.

FME Communications Committee: Report on activities 2024

Einar Broch Johnsen, Univ. of Oslo, Norway

June 26, 2024

FME Communications Committee

- **Established**: October 2018.
- **Aim**: to support the dissemination of material about formal methods as well as FME activities.

- Andrea Bombarda,
  University of Bergamo, Italy
- Carlo A. Furia,
  Università della Svizzera italiana, Switzerland.
- Einar Broch Johnsen (chair),
  University of Oslo, Norway
- Matt Luckuck
  University of Nottingham, UK
- Lina Marsso
  University of Toronto, Canada
- Claudio Menghi,
  University of Bergamo, Italy
- Pedro Ribeiro,
  University of York, UK.

Role: **Andrea** will liaise with the Industry Committee

Role: **Carlo** will work on the communications strategy and guidelines for conferences and liaise with board members in charge of conferences.

Role: **Einar** maintains the FME website, Twitter account, and LinkedIn group. He works on an overall policy document on communications.

Role: **Matt** will liaise with the Awards Committee, the Book Review Committee, and the Industry Committee. Website integration.

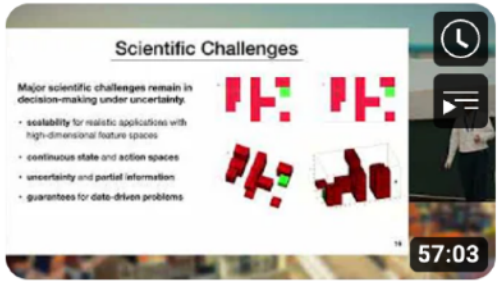
Role: **Lina** is working on webpage for summer schools and dissemination channels for academic positions in formal methods.

Role: **Claudio** will liaise with the Teaching Committee. Claudio has also developed a questionnaire to collect feedback from FM conferences.

Role: **Pedro** is in charge of communications for FME business meetings. Pedro is also in charge of FME's videos and YouTube channel.

Activities in 2024

- **Standard activities**: liaise with the other committees of FME
- **Video recordings** of keynotes at iFM 2023, FM 2023, …
- **Publicity plans and social media** for FormaliSE 2024 and FM 2024
- **Communication strategy**. Document in progress
- **FME website**: maintenance and migration
- **FME website:** integration with committee web pages
- **How to disseminate academic positions in FM?**



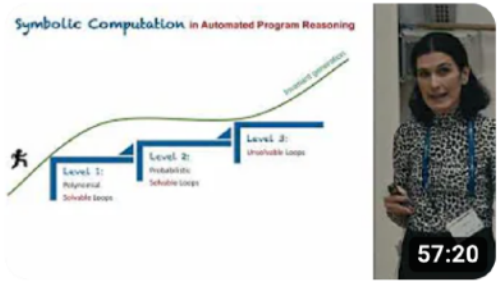
FM'23 Keynote Talk | Nils Jansen - Intelligent and Dependable…



FM23 Luminary Talk | Jeannette M. Wing - Trustworthy AI



FM'23 Keynote Talk | Harald Rueß - The Next Big Thing: From…



FM'23 Keynote Talk | Laura Kovács - Symbolic Computation in…

FME Industry committee

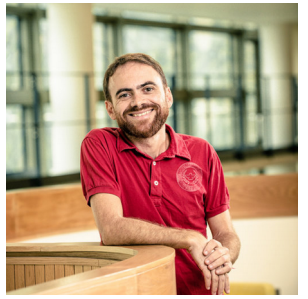
Update

26 June 2024

Composition of committee

- Tim Willemse (chair) – Netherlands
- Jeroen Keiren (secretary) – Netherlands
- Carla Ferreira – Portugal
- Leo Freitas – UK
- Mario Gleirscher – Germany
- Cláudio Gomes – Denmark
- Peter Höfner – Australia
- Kristin Yvonne Rozier – USA
- Cristina Seceleanu – Sweden











Industry committee Objectives

- Increase the use of FM in industry
- Increase the awareness of FM in industry
- Increase awareness of our community of industrial use of FM
- Increase collaboration between our community and industry

Activities in 2023-2024

- WG on *FM in industry series* (Cristina, Leo, Mario, Tim)
- WG on *FM tool videos* (Carla, Cláudio, Jeroen, Peter)
- Integrate website with FMEurope website (with Comm. Comm.)
- Pick up in due time:
    - Archive of industrial case studies
    - Monitor trends in industry

Working Group on *FM in Industry Series*

Aim: promote the interaction between FM community and industry

- Format of series: online sessions of ~45 minutes with speaker from industry
- Audience: fellow academics *and* interested industrial partners
- Agenda:
  - *September 2023:* Ivo ter Horst (*ASML, The Netherlands*): *`Test less, Verify Moore'*
  - *February 2024:* Frank Zeyda (Galois, US): *'Rigorous Digital Engineering with Formal Methods: a personal perspective'*
  - *May 2024:* Daniel Fredholm (*Prover Technology, Sweden*): *'Formal Verification in the Railway Domain'*
  - *September 2024:* Leo Freitas (*ScubaTx, UK*)

Working Group on *FM Tool Videos*

Aim: provide videos about Formal Methods Tools that speak to industry

- Format and content: to be decided
- Audience: industry, not academics
- Planned starting date: autumn

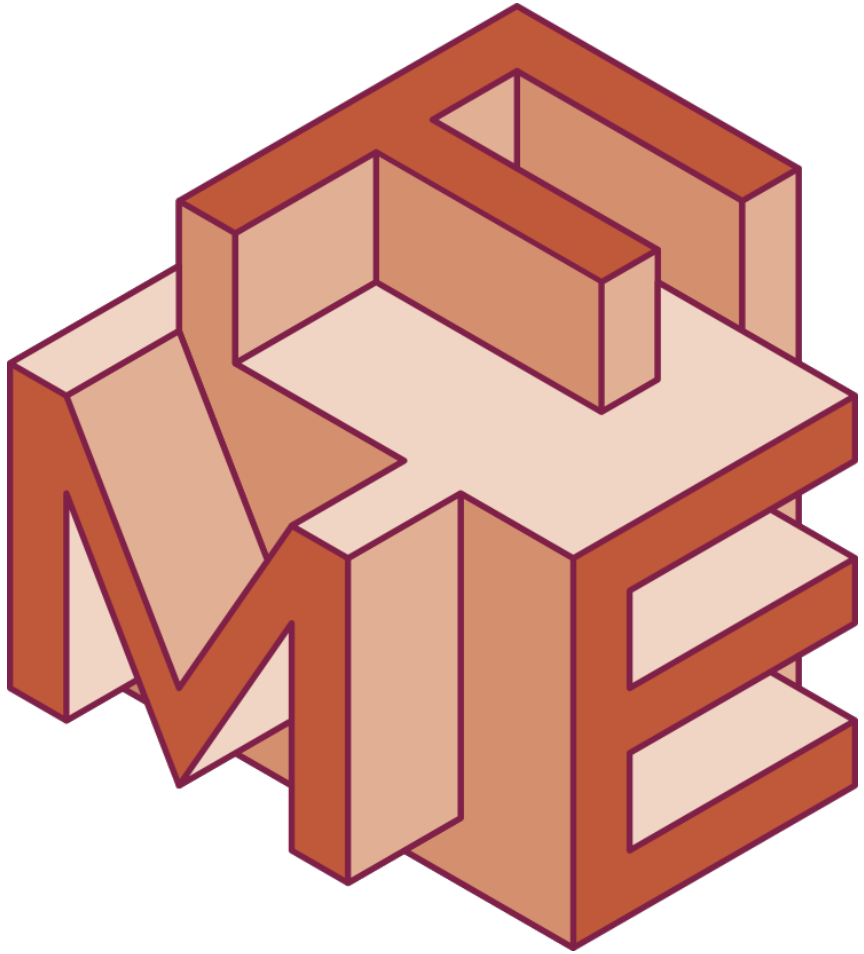
Results of small-scale survey indicate issues/challenges:

- Videos should be `domain-specific'
- Videos should be professional

→ Activities of the WG currently on hold; broader survey through Comm^2?

2024 Activities Industry Committee

- Continue InFM series
  - Suggestions for speakers can be sent to t.a.c.willemse@tue.nl
- Continue talks with Comm^2 to integrate website into FMEurope site
- Help shape Industry Day@FM (11 September, Milan)
- New WG (Claudio, Mario, Peter):
  - Explore the idea of labels to indicate the level of FM used to develop software



FME Teaching Committee

status, 26.6.24

Luigia Petre

Åbo Akademi University, Turku, Finland

https://fme-teaching.github.io/

Teaching Committee members



- Brijesh Dongol, University of Surrey, UK
- Catherine Dubois, ENSIIE, France
- João F. Ferreira, IST, University of Lisbon, Portugal
- Alexandra Mendes, University of Beira Interior, Portugal
- Luigia Petre (chair), Åbo Akademi University, Finland
- Leila Ribeiro, Federal University of Rio Grande do Sul, Brazil
- Pierluigi San Pietro, Politecnico di Milano, Italy
- Emil Sekerinski, McMaster University, Canada
- Graeme Smith, The University of Queensland, Australia

Happy about

- FMTea (FM Teaching) → currently main workshop on teaching formal methods
  - https://fmtea.github.io
  - Milan, September 10, 2024
  - **Leila Ribeiro** and **Emil Sekerinski** co-chairs
- Tutorial series
  - Very successful
  - Our 21 speakers: *Sandrine Blazy, Ran Ettinger, David Pearce, Shriram Krishnamurthi, Jeremy Gibbons, Tim Nelson, Erika Abraham, Robert Lewis, Michael Leuschel, Allan Blanchard, Markus Kuppe, Emil Sekerinski, Stefan Hallerstede, Thierry Lecomte, Laura Kovacs, Alcino Cunha, Carroll Morgan, Wolfram Kahl, Tiziana Margaria, Rosemary Monaghan*
- Courses database → https://fme-teaching.github.io/courses/

Unhappy, but moving on



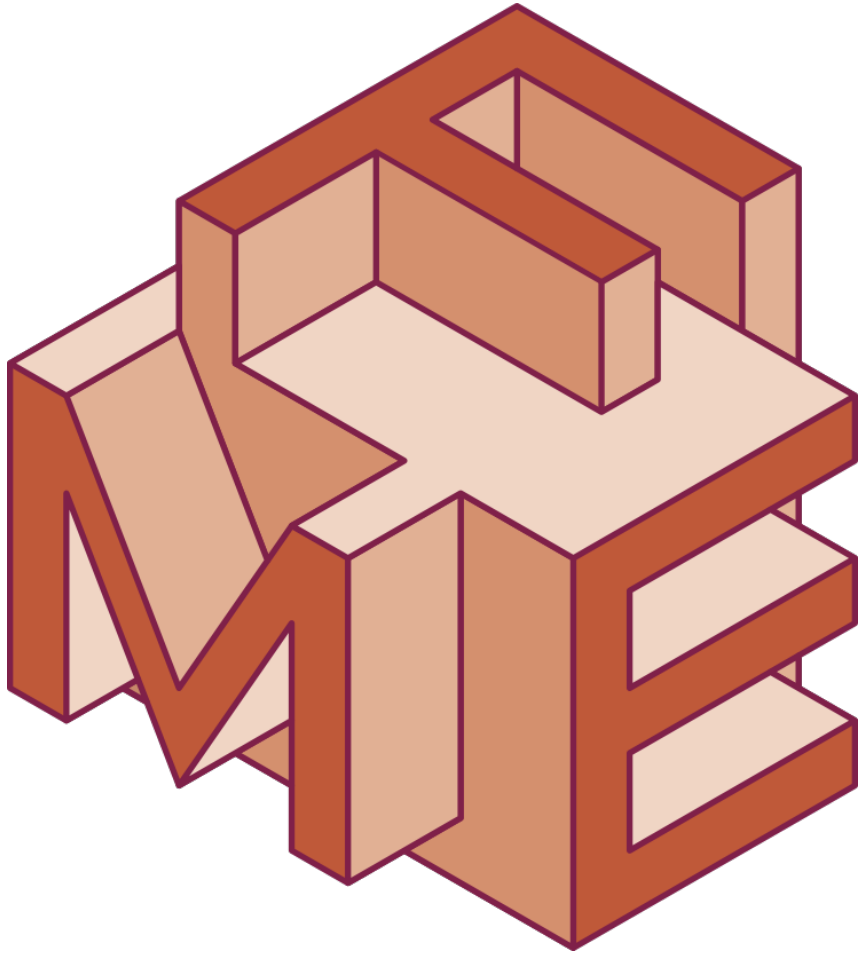
- COST action application
  - Rejected (3x)
    - 8% acceptance rate
    - No Computer Science Action accepted this year, only AI applied to other sciences
  - What next?
    - Erasmus+?
    - Some smaller scale proof-of-concept via FME?

ACM Curriculum

- ACM Curriculum
  - Brijesh Dongol → our inside link
  - Curriculum updated in Jan 2024
- We have 2 contributions → Ana Cavalcanti main driver here
  - Special issue on Formal Methods, joint with FM23
    - 3 papers on FM Education
    - 2 revised papers from FM23
  - ACM Inroads
    - https://inroads.acm.org/
    - Common paper on FM Education

Planned

- Book series on Formal Methods
  - Inspiration from here
    - https://softwarefoundations.cis.upenn.edu
    - Software Foundations series → broad introduction to mathematical underpinnings of reliable software
      - 100% formalized and machine-checked with Coq
  - We want a resource that is evolving with its topics
    - Online components
    - Taxonomy
    - Historical perspective to be included
    - (solved) exercises
  - We will hold a meeting at FM24 → welcome!





Keep in touch!

https://fme-teaching.github.io/