

**Formal Methods Europe
Minutes of the 72th meeting
Held online
14 December 2021
www.fmeurope.org**

Present at the meeting were:

- Ana Cavalcanti (Chair)
- Lars-Henrik Eriksson (Secretary)
- Stefania Gnesi
- Klaus Havelund
- Marieke Huisman
- Muhammed Basheer Jasser
- Einar Broch Johnsen
- Randy Johnson
- Peter Gorm Larsen
- Claudio Menghi
- José Nuno Oliveira
- Luigia Petre
- Nico Plat
- Pedro Ribeiro
- Matteo Rossi
- Augusto Sampaio
- Volker Stolz
- Maurice ter Beek
- Marcel Verhoef
- Jim Woodcock

1 Welcome and agree upon agenda

Ana Cavalcanti welcomed the members present. The agenda was agreed upon.

2 Minutes of the previous meeting and review of actions

The minutes of the 2021 AGM were approved.

Action 71/1: Ana Cavalcanti to discuss with Klaus Havelund (chair of the Industry Committee) about recruiting more industrial members.

Done.

Klaus Havelund will step down as chair of the Industry Committee. Everyone please send the Board suggestions for a new chair by January 4.

3 Plan for 2022

Ana Cavalcanti presented the plans of the Board for 2022 (attached to the minutes). The meeting approved of the plans.

4 Budget for 2022

Nico Plat presented the budget proposal for 2022 (attached to the minutes). The meeting approved of the budget.

5 Final report on FM'21

Stefania Gnesi reported on FM'21. There were many registered participants and the organisers had done a good job. Ana Cavalcanti thanked the organisers for their work. Maurice ter Beek added that there had been many high quality submissions.

6 Status report on FM'23

FM'23 will be held in Lübeck in March 2023. Martin Leucker will be general chair.

7 FormaliSE

Nico Plat and Stefania Gnesi reported on the current status of FormaliSE 2022. The Call for Papers has been sent out. They noted that so far there have been few submissions from the

FME community. Everyone is encouraged to submit papers. The PC co-chairs are Arnd Hartmanns (U. Twente) and Ina Schaefer (Karlsruhe Institute of Technology).

8 Should the FM symposium be a yearly event?

Discussion.

9 CORE rankings

Ana Cavalcanti reported that the considerable effort of preventing CORE from downgrading the FM Symposium to a B ranking had been successful, although we didn't achieve the goal of raising the ranking to A*. Marieke Huisman commented that CORE has poor and unpredictable procedures and that a common initiative was underway to try to improve CORE.

10 Open Access Journal

Ana Cavalcanti reported that the Formal Aspects of Computing Journal will change publisher from Springer to ACM and become a gold open access journal. For that reason it is no longer relevant for FME to discuss an open access journal of its own.

11 Future board member with responsibility for the Symposia

Stefania Gnesi plans to step down from the FME Board at the coming AGM, which means that a new board member with responsibility for the Symposia has to be elected. The board proposes Maurice ter Beek who has already worked together with Stefania for some time.

12 Committee activities

Awards Committee: Augusto Sampaio reported on committee activities. 6 people had been nominated for the 2021 FME fellow. The committee has discussed with the FME Board on how to prioritise between various criteria for choosing between the nominees.

Book Review Committee: Matteo Rossi reported on the committee activities. See the presentation attached to these minutes.

Communications Committee: Einar Broch Johnsen reported on committee activities:

- Matthew Luckuck has replaced Marcello Bersani in the committee, which now consists of Pedro Ribeiro, Claudio Menghi, Matthew Luckuck, Carlo A. Furia and Einar Broch Johnsen
- Maintaining the FME website and the FME presence on Twitter and LinkedIn.
- Communication strategy for FME conferences: FM and FormaliSE
- Collected and published keynotes from FM conferences on FME's YouTube channel
- Video production for the Industry Committee
- Communication support for the committees: book review, teaching, etc

Industry Committee: Klaus Havelund reported on the committee activities. A movie has been created with contributions from three people from industry working with formal methods. A fourth video still remains to be integrated. We expect the combined video (lasting less than 10 minutes) to be on the industry website within one week.

Teaching Committee: Luigia Petre reported on the committee activities. See the presentation attached to these minutes.

13 Date and place of next meeting

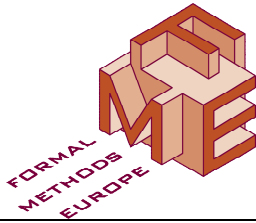
The next meeting will be the AGM. It will be held during ETAPS, if possible. Otherwise we will try to have it in London in conjunction with a FME/BCS-FACS evening seminar. In any case, the AGM will be a hybrid event.

14 Other Business

Nico Plat reported on work being done by the board to adapt FME to recent changes in Dutch law for associations.

Summary of open actions

None.



Priorities

- Success of FM 2023 and FormaliSE 2022
- Start plans for FM 2024

Symposia

The main focus is the successful running of FM2023 and FormaliSE 2022. We have organized a consultation of the community and will consider how to take their views into account. A main challenge is to the uncertainty created by the ongoing pandemic. The experiences of FM2021 will be valuable. It may become needed for a lot of the effort of the board to be dedicated to this point: applying lessons learned, and recording lessons for the future. We will also work with colleagues to improve evaluation of conferences by the community.

Responsible: Stefania Gnesi and Ana Cavalcanti

Membership

We have achieved a sustainable (modestly increasing) level of membership. We will continue to make sure that the membership reflects the active members of the society.

Responsible: Lars-Henrik Eriksson

Finances and sponsorship

We do not foresee a need to review our policies fundamentally in the coming year. We will discuss with the membership the possibility to invite special initiatives to use surplus funds.

Responsible: Nico Plat

External relations

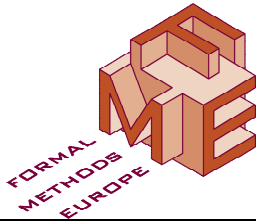
We will continue our cooperation with BCS-FACS and FMICS. We will continue to support the work of the committees and establish a systemic means of interaction with them all.

Responsible: Ana Cavalcanti

Communications

We will continue to work with the Communications Committee to maintain the vitality of the various means of interaction with the community. Besides the website, which will remain as the FME's primary medium for disseminating its activities, we are using Twitter, LinkedIn, and YouTube. We will also continue holding the FME meetings as webinars.

Responsible: Einar Johnsen and Ana Cavalcanti



FME Fellowship and Lucas Award

We will work with the Awards Committee to prepare to confer a Fellowship or Lucas Award during FM2023. We will also discuss the format of the award ceremony.

Responsible: Ana Cavalcanti and Augusto Sampaio

Book reviews

We will continue to work with the Book Review Committee to establish a steady stream of publications.

Responsible: Matteo Rossi

Support for teaching

We will continue to work with the Teaching Committee to take forward ideas raised in the membership consultation to support teaching of formal methods. We will strive to support colleagues in various ways, especially young academics.

Responsible: Luigia Petre

Formal methods in industry

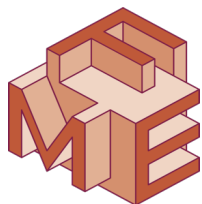
We will work with the Industry Committee to take forward ideas raised in the membership consultation to engage with industry to promote and support use of formal methods. The industry day will continue to be an important part of our agenda, but we will seek to support other activities, increasing the visibility of formal methods via sharing of information and organisation of events, for example.

Responsible: Ana Cavalcanti

Coordination of events

We will keep the list of upcoming events in our homepage up to date and comprehensive to include major events in the area of formal methods.

Responsible: Einar Johnsen



Budget FME 2022

For approval at the members meeting on 14 December 2021

No.	Description	Budget 2021				Budget 2022				
		Surplus and deficit		Balance		Surplus and deficit		Balance		
		Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit	
01	Total assets beginning of year			€ 95.961,63					€ 89.611,63	
02	Total assets end of year					€ 89.611,63				€ 81.661,63
	Administrative items									
03	Interest received on deposit account		€ 0,00				€ 0,00			
04	Banking and organisational cost	€ 200,00				€ 200,00				
05	IT infrastructure	€ 150,00				€ 150,00				
	Operational items									
06	Surplus FM'2021 China						€ 3.400,00			
07	FormaliSE	€ 0,00				€ 2.500,00				
08	Sponsorships	€ 3.500,00				€ 3.500,00				
09	Travel costs FME Board	€ 1.000,00				€ 2.000,00				
10	Miscellaneous	€ 250,00				€ 250,00				
11	Committee funding	€ 1.250,00				€ 1.250,00				
12	Notary costs WBTR					€ 1.500,00				
13	Subtotals	€ 6.350,00	€ 0,00	€ 95.961,63	€ 89.611,63	€ 11.350,00	€ 3.400,00	€ 89.611,63	€ 81.661,63	
14	Net surplus	-€ 6.350,00		-€ 6.350,00		-€ 7.950,00		-€ 7.950,00		
15	Totals	€ 0,00	€ 0,00	€ 89.611,63	€ 89.611,63	€ 3.400,00	€ 3.400,00	€ 81.661,63	€ 81.661,63	

Comments on various items

01	Assets at beginning and end of year.	The amounts used here are the amount at end of year (budgetted) for 2021. These numbers are used because we do not know the actual results end of 2021 yet. However, these are currently estimated at around 94.000 euro.
06	Surplus FM'2021 China	Based on the approved budget for FM 2021 (60% of the income fees (5.600 euro))
07	ICSE/FormaliSE 2020	FormaliSE 2022 will be held in Pittsburg, PA, USA
09	Travel costs FME Board	Based on two fysical meetings in 2022.
12	Notary costs WBTR	To comply with new Dutch legislation a change of the statutes is required. For this, a notary is needed.

Book Review Committee

FME Business Meeting
December 14th, 2021

Committee

- Simon Bliudze (INRIA Lille, FR)
 - Wan Fokkink (Vrije Universiteit Amsterdam, NL)
 - Constance Heitmeyer (Naval Research Laboratory, US)
 - Einar Broch Johnsen (University of Oslo, NO)
 - Annabelle McIver (Macquarie University, AUS)
 - Matteo Rossi (Politecnico di Milano, IT)
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- bookreview@fmeurope.org
 - <https://fmeurope.org/book-review/>

Goal

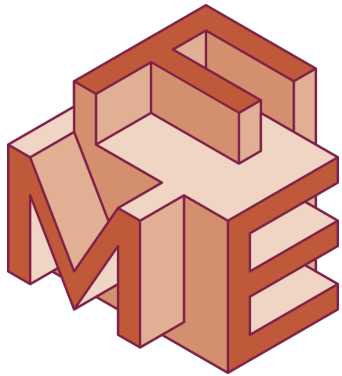
- provide to the FM community high-quality reviews of books on topics of interest to the community
- reviews highlight the strengths and weaknesses of the book, to help researchers who are looking for reference texts in their areas of interest

Procedures

- BRC members select books of interest, then ask esteemed colleagues to review them (or review them themselves)
- reviews are not anonymous
- published on FME website, but also possibly on Formal Aspects of Computing journal
 - <https://fmeurope.org/categories/bookreviews/>
- Committee meets every 2-3 months via conference call

Status

- 1 review recently published on FME website
- 2 reviews being consolidated for publication
- 3 reviews expected in the next 2-3 months
- Past reviews published (or to be published) in Formal Aspects of Computing



FME Teaching Committee

status

Luigia Petre

Åbo Akademi University, Turku, Finland



Teaching Committee members

- [Brijesh Dongol](#), University of Surrey, UK
- [Catherine Dubois](#), ENSIIE, France
- [João F. Ferreira](#), IST, University of Lisbon, Portugal
- ~~[Rustan Leino](#), Amazon Web Services, US~~
- [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
- [Graeme Smith](#), The University of Queensland, Australia
- ~~[Kenji Taguchi](#), CAV, Japan~~

15.12.21

FME Business Meeting in December 2021

2



Happy about

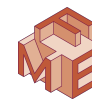


- FMTea21 → currently main workshop on teaching formal methods
 - FMTea21 videos can be seen
 - http://ics.ios.ac.cn/fm2021/fmtea_cet/
 - Next edition?
- Tutorial series
 - **September 24, 2021**, 3pm CET: Prof Sandrine Blazy (University of Rennes 1, France): **Why3 tool for deductive program verification**. The recording of Prof. Blazy's lecture can be seen [here](#).
 - **October 29, 2021**, 3pm CET: Dr Ran Ettinger (Ben-Gurion University, Israel): **Teaching Cantor's theorem, a pumping lemma, and the derivation of a heapsort algorithm using Dafny**. The recording of Dr. Ettinger's lecture can be seen [here](#). A few screenshots from the lecture can be seen [here](#).
 - **November 20-21**, 9am-4pm CET: Tutorials@FM21
 - FMTea videos can be seen from [here](#); FMTea is currently the main workshop on teaching formal methods.
 - FMI videos can be seen from [here](#); FMI is a tutorial about formal methods used in connection with the digital twin concept.
 - Event-B IDE videos can be seen from [here](#); Event-B IDE is a tutorial about developing an IDE for the Event-B language.
 - Momba videos can be seen from [here](#); Momba is a tutorial about quantitative modelling with python.
 - **December 10**, 9am CET: [Assoc. Prof David Pearce](#) (Victoria University of Wellington, New Zealand): **Teaching Software Verification with Whiley**. The recording of Assoc. Prof. Pearce's lecture can be seen [here](#).
- Courses database
 - <https://fme-teaching.github.io/courses/>

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FME Business Meeting in December 2021

3



Next on our agenda



- Teaching Committee next meeting on Friday
 - 17 December 2021, 12 noon CET
- COST action application postponed
 - Next deadline unknown
 - Likely in the Fall 2022

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FME Business Meeting in December 2021

4