

Preface

At the end of the seventies, when the GI had just turned 10 years old, about 2000 of its members proclaimed their commitment to the society and most of them were very active: General Assemblies were huge events with hundreds of participants. Especially the 'Fach-ausschüsse' ("Fachbereiche" did not exist yet) could no longer cope with the manifold interests and activities of their members without additional structures. Therefore, the idea was born to create subdivisions) with more restricted subject areas, called "Fachgruppen" (special interest groups. Renowned university professors and some leaders from practice founded the first SIGs 'Softwaretechnik' and 'Datenbanksysteme', an unproblematic act, since the promoters were all well-known personalities with a direct line to the GI board.

The EMISA case is quite different. First, the 'Council of Wise Men' did not seem to consider the concerns of information systems to be particularly relevant at that time. For a computer scientist, this was a rather dazzling field in which, on the one hand, non-technical, organizational and design issues had to be dealt with and, on the other hand, modeling and methodology rather than implementation were the focus. Second, the idea to establish such a SIG came from two young assistants who had met at an event, Bernd E. Meyer, and Heinrich C. Mayr. In the back then professorially dominated GI, this undertaking was the rather revolutionary. The resistance of the presidium was correspondingly strong, and it took several presidium meetings and name changes before formal approval was given. To say it right away and full of gratitude: without the massive support of the founders' bosses Peter Lockemann and Hans-Jochen Schneider, EMISA would never have become reality.

The founding event took place from May 24-26, 1979 in Tutzing, Germany. More than one hundred highly interested and discussion-joyful participants met in the dance hall of an old inn with creaking floorboards and a rustic ambience. In the following year we moved on to the Protestant Academy with its wonderful round auditorium 'Rotunde', which almost automatically provokes lively and intensive discussions, as everyone can look everyone in the eye. In addition, the academy is located directly on the western shore of the Starnberger See, where and on which the discussions continue.

It is now 40 years that EMISA has been a platform for industry experts and academics to exchange and discuss the methodical aspects of planning, modeling, developing and running digital ecosystems. While terminology and buzzwords change, many of the questions raised when EMISA was founded still remain challenging, and many new questions came along over the years.

To commemorate the 40th anniversary of the founding event and the conference series, we returned to the original location and organized the "40 Years EMISA" at the Evangelische Akademie Tutzing. Furthermore, for this event we have not only called for the usual submission of papers with corresponding peer review. Rather, we have also invited personalities to keynotes who have contributed significantly to events and the success of EMISA over the past 40 years. And finally, we have invited relevant research groups to present their current projects in a "madness show" and an exhibition. The response was overwhelming: many of the personalities who were approached promised to make a contribution and came to the event, as did all but one of the SIG chairmen.

This led to a very varied programme, which is shown on the pages 195ff. Some reactions from participants:

„Nochmals ganz herzlichen Dank für die schöne Tagung - ein ganz aussergewöhnliches Event!“

„Nicht nur, dass der Ort so schön ist. Auch mit den Leuten war es einfach schön. Das ist die GI, wie ich sie kennengelernt habe...“

„Das war eine tolle Veranstaltung - ich freue mich schon darauf, 45 Jahre wieder in Tutzing zu machen!“

„erlauben Sie mir bitte, Ihnen zu der gelungenen EMISA 40 zu gratulieren. Nie hat mir Frühaufstehen so viel Freunde bereitet... ;-)

„Diese Veranstaltung war äußerst abwechslungsreich, kurzweilig und interessant! Ebenso war es schön, mehreren Informatik-Veteranen, und das meine ich mit allergrößtem Respekt, an einem solch schönen Ort zu begegnen.“

„vielen Dank für die tolle Organisation der Veranstaltung. Ich habe es genossen nach 40 Jahren beruflichem Alltag, mich mit Themen zu beschäftigen, die an den Hochschulen gerade diskutiert werden.“

This LNI volume contains the full papers selected from the submissions through a review process (three peer reviews per paper), shorter and longer contributions from the invited speakers, provided they were willing to provide written material, as well as introduction papers from the research groups that participated in the Madness Show and the exhibition. In this way, the volume draws a vivid picture of the variety of exciting and current topics that are currently dealt with and discussed in the environment of EMISA.

Unfortunately, the conference proceedings could only be published after some delay. The reason for this was mainly due to a serious illness of one of the editors, which came with longer artificial deep sleep, intensive care and a slow recovery process. However, this does not detract from the topicality of the articles in the volume - their topics are also important in and after the times of the corona pandemic.

We would like to thank everyone who contributed to the success of the 40 Years EMISA, especially of course the authors and lecturers, the sponsors, the members of the programme committee and the staff of the Evangelische Akademie Tutzing. We owe special thanks to our invited speakers, who not only accepted our invitation but also paid normal conference fees to support the low-cost strategy of our SIG. We also thank the organizers of the panel discussion, Jan Mendling and Gottfried Vossen, as well as Agnes Koschmider and Matthias Weidlich for the organization of the project group exhibition including the Madness Show. Last but not least we would like to thank our "official" speakers, who did not shy away from the way to EMISA either: Hannes Federrath, the current president of GI, Erhard Rahm, the current chairman of GI TC Databases and Information Systems, and Cornelia Winter, the GI CEO.

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