37th Euromicro Conference on Real-Time Systems

ECRTS 2025, July 8–11, 2025, Brussels, Belgium

Edited by

Renato Mancuso

Editors

Renato Mancuso
Boston University, MA, USA
rmancuso@bu.edu

ACM Classification 2012
Computer systems organization → Embedded and cyber-physical systems; Computer systems organization → Real-time systems; Software and its engineering → Real-time systems software; Software and its engineering → Embedded software; Software and its engineering → Process management; Software and its engineering → Real-time schedulability; Theory of computation → Scheduling algorithms

ISBN 978-3-95977-377-5

Published online and open access by
Schloss Dagstuhl – Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, Saarbrücken/Wadern, Germany. Online available at https://www.dagstuhl.de/dagpub/978-3-95977-377-5.

Publication date
July, 2025

Bibliographic information published by the Deutsche Nationalbibliothek
The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at https://portal.dnb.de.

Digital Object Identifier: 10.4230/LIPIcs.ECRTS.2025.0

LIPIcs – Leibniz International Proceedings in Informatics

LIPIcs is a series of high-quality conference proceedings across all fields in informatics. LIPIcs volumes are published according to the principle of Open Access, i.e., they are available online and free of charge.

ISSN 1868-8969

https://www.dagstuhl.de/lipics

Contents

Regular Papers

37th Euromicro Conference on Real-Time Systems (ECRTS 2025).
Editor: Renato Mancuso
Leibniz International Proceedings in Informatics
LIPICS Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Dagstuhl Publishing, Germany

Industrial Challenge Description

Message from the Chairs

Joël Goossens, Université libre de Bruxelles, Belgium
Renato Mancuso, Boston University, USA
Antonio Paolillo, Vrije Universiteit Brussel, Belgium

Opening Note

It is with great pleasure that we welcome you to the 37th edition of the Euromicro Conference on Real-Time Systems (ECRTS). Owing to its long tradition, ECRTS has established itself as a premier event for the real-time and embedded systems community. Indeed, ECRTS serves as a top-ranking platform, comparable to RTAS and RTSS, for researchers, practitioners, and industry professionals to exchange ideas and advance the field of real-time systems.

We are thrilled to host this year's ECRTS in Brussels, Belgium, often dubbed as the *Capital of Europe*: a historical backdrop that well resonates with the remarkable heritage of the conference. Joël Goossens (Université libre de Bruxelles) and Antonio Paolillo (Vrije Universiteit Brussel) serve as the general chairs. The technical program has been curated by the Technical Program Committee (TPC) chair Renato Mancuso from Boston University to foster a collaborative environment that encourages innovation and knowledge sharing.

Since its inception, ECRTS has been a fertile ground for innovative initiatives to boost inclusiveness, improve the evaluation process, and broaden participation in the research community. This year, we have continued the well-established tradition of open-access proceedings using Dagstuhl LIPIcs (Leibniz International Proceedings in Informatics); we have continued to offer the authors of accepted papers an optional artifact evaluation process. ECRTS' double-blind submission policies incorporate provisions allowing authors to freely publish pre-prints of their work before or after submission to ECRTS.

Furthermore, this year, we have introduced two significant additions. First, we have introduced a Shadow Technical Program Committee (STPC). The primary objective of the STPC is to create an immersive training platform for young and emerging researchers who might go on to become future reviewers. Participation in the STPC aims to offer early-career researchers hands-on experience in the peer-review process, developing and refining their evaluation and reviewing skills under the guidance of more experienced reviewers in an inclusive environment. Under the guidance of Filip Markovic (University of Southampton) in the role of STPC chair, STPC members conducted a parallel review process of the same articles evaluated by the main TPC – on an opt-in basis for the authors. They were then provided the anonymized reviews that TPC members produced for the same set of papers. We sincerely thank Filip for making this possible.

Second, we strove to improve the objectivity and mitigate the personal bias of the anonymous peer evaluation process. This was done by refining the traditionally broad evaluation metrics into nine fine-grained evaluation criteria, namely (1) Relevance to ECRTS and to the RT/Embedded Community; (2) Novelty and Originality; (3) Controversial Contribution; (4) Technical Soundness; (5) Significance of Contribution; (6) Practical Contribution; (7) Theoretical Contribution; (8) Comparison with Existing Work; and (9) Quality of Writing and Organization. These criteria were inspired by the thoughtful reflections of Gerhard Fohler in his blog *1 is the Only Acceptable Acceptance Ratio* and whom we vehemently thank for his continued guidance.

37th Euromicro Conference on Real-Time Systems (ECRTS 2025).
Editor: Renato Mancuso
Leibniz International Proceedings in Informatics
LIPICS Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Dagstuhl Publishing, Germany

We are thankful to Catherine Nemitz (Davidson College) and Bryan Ward (Vanderbilt University), who served as chairs of this year's Artifact Evaluation (AE) committee. This year, the AE committee was comprised of 16 international experts who evaluated six submissions. Papers approved by the AE committee are identified in this proceedings with a badge indicating that the artifact has passed the required reproducibility test. These artifacts are published in the Dagstuhl Artifacts Series (DARTS). We would also like to thank all the members of the AE committee for dedicating their time to conducting their evaluation.

ECRTS 2025 continues to feature a Real-Time Pitches session completing the Work-in-Progress papers session. The Real-Time Piches session provides a valuable opportunity for authors to showcase demos, present works already published in journals, and issue calls for actions and new ideas of potential interest to the community. We wholeheartedly thank Daniel Casini (Scuola Superiore Sant'Anna) for chairing the Real-Time Pitches session, as well as all the reviewers.

Continuing a long-standing tradition, this year's ECRTS also includes an industrial challenge session. The industrial challenge session originally stemmed as a satellite event of the WATERS workshop and has become a symbiotically integrated part of the main ECRTS program. Our thanks go to Paolo Burgio (University of Modena and Reggio Emilia) and Michael Roitzsch (Barkhausen Institute) for organizing the session, as well as to participating industry partners responsible for the preparation of new challenges and the maintenance of past challenges.

Visibility is a crucial aspect for a conference to remain relevant and thrive year after year. Hence, dissemination activities aimed at publicizing the incredible work of the ECRTS community are key to its long-term success. Therefore, our gratitude goes to Mario Günzel (TU Dortmund), who served as the publicity chair for this year's edition and introduced several new outreach channels.

Organizing a major international conference such as ECRTS 2025 demands countless hours of work for a whole team of people involved at different levels of the year-long process. At the top level, clarity and consistency of guidance has a make-or-break role. Thus, we would like to extend our heartfelt *thank you* to the ECRTS Executive Committee comprised of Yasmina Abdeddaïm (Université Gustave Eiffel), Sebastian Altmeyer (Universität Augsburg), Steve Goddard (University of Iowa), and Marcus Völp (University of Luxembourg). Their incredible guidance and unwavering support throughout the entire organizational process have been truly invaluable.

Finally, and perhaps most importantly, we would like to express our deep gratitude toward all the authors who submitted their work to ECRTS 2025. Unfortunately, employing a rigorous selection process means that some works will not be given the opportunity to appear in the conference program. Nonetheless, regardless of whether they are accepted or rejected, all the submitted articles contribute to setting the quality bar of the conference and are therefore vital for its existence. All in all, we are positively impressed by the general quality of this year's submissions. The final selection, which we hereby present to you, excels both in terms of breadth and depth. As such, we look forward to seeing you in Brussels and sincerely hope that you will enjoy ECRTS 2025!

Joël Goossens
Université libre de Bruxelles, Belgium
ECRTS 2025 General Chair

Antonio Paolillo
Vrije Universiteit Brussel, Belgium
ECRTS 2025 General Chair

Renato Mancuso
Boston University, USA
ECRTS 2025 Technical Program Committee Chair

Paper Submission and Selection

Selection Process

The submission timeline was defined as follows. Authors of original papers could submit their work for consideration at ECRTS with a submission deadline set on February 28, 2025. A week-long online discussion phase preceded the TPC meeting. The purpose of the discussion phase was to understand the existence of a consensus (or lack thereof) between reviewers before heading to the TPC meeting. The per-paper discussions during this phase were facilitated by discussion leads selected by the TPC chair. The TPC meeting was held virtually on Zoom on April 17 and 18, 2025. At the beginning of the selection process, four papers were identified to have a conflict of interest (CoI) with the TPC chair. The entire process for three of these papers was handled by Angeliki Kritikakou (University of Rennes) and by Bryan Ward (Vanderbilt University) for the fourth one. The authors were notified of the result of the TPC peer-review process on April 21, 2025. The possible outcomes for manuscripts at this stage were: (1) *Accepted*, (2) *Rejected*, or (3) *Shepherded*.

A paper receiving an *Accepted* decision was immediately slated to appear in this proceedings. Conversely, a manuscript receiving a *Rejected* decision was deemed unsuitable for publication at ECRTS 2025 due to either a scope mismatch or foundational technical shortcomings. Finally, the reviewers had the option to recommend a paper for a *Shepherded* decision. This case was reserved for papers that were deemed promising by the reviewers but that were perceived as not quite ready to be accepted as is. A paper receiving a *Shepheded* decision was considered conditionally accepted. It was assigned (1) a clear set of shepherding requirements to be addressed by the authors and (2) a shepherd from the pool of reviewers tasked to ensure that the requirements are met in the revised version of the manuscript. The deadline for shepherds to finalize their decision was set as May 9, 2025.

Upon conclusion of the TPC meeting, all the papers received a final decision, as described above. Each paper also received a meta-review summarizing the nature of the discussion entertained by the reviewers and the chairs during the offline and online phases.

In line with the inclusiveness goals of ECRTS, no specific acceptance rate was targeted by the TPC chair. The reviewers were given explicit guidance to appropriately use *Shepherded* decisions in case of promising papers with fixable flaws. It is always challenging to ensure the perfect adherence of the entire TPC to the established guidelines. Nonetheless, we sincerely hope that all the authors of those papers that received a *Rejected* decision will be able to use the provided feedback to improve and re-submit their work to future venues.

Submission and Selection Statistics

The 37th edition of ECRTS received a total of 55 valid submissions. Table 1 provides a breakdown of their country of origin. In the table, the first column labeled "Country" reports the considered country/region. The second column, labeled "Authors," counts how many authors with primary affiliation in the considered country submitted papers to the conference. In the third column labeled "Submissions," the per-country breakdown of individual submissions is computed as follows. For each submission, the number of authors from the same country is divided by the total number of authors in that submission. Then, the per-submissions ratios are aggregated across all the submissions on a per-country basis. The same goes for the fourth column labeled as "Accepted," but considering only accepted papers.

37th Euromicro Conference on Real-Time Systems (ECRTS 2025).
Editor: Renato Mancuso

Leibniz International Proceedings in Informatics
Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Dagstuhl Publishing, Germany

Table 1 Statistics on the country of affiliation of authors and TPC members.

Country/Region	Authors	Submissions	Accepted	TPC Members
Austria	6	2	–	1
Australia	5	0.8	0.2	–
Brazil	2	0.7	–	–
Canada	10	3.2	1.2	4
Swizerland	11	2.3	1	–
China	6	1.3	–	2
Czech Republic	2	1	1	–
Germany	46	11.7	5.7	8
Estonia	2	0.3	0.3	–
Egypt	2	1	–	–
Spain	7	1.2	1	1
France	18	5.1	4.1	12
Hong Kong	1	0.2	0	1
India	6	1.5	1.3	–
Iran	–	–	–	1
Italy	12	2.4	0.8	4
Japan	6	2	–	–
Netherlands	5	0.7	0.7	–
Poland	6	2	–	–
Portugal	3	1	–	2
Sweden	4	0.8	–	3
Singapore	4	1	0.8	1
South Korea	–	–	–	1
United Kingdom	9	2.8	–	1
United States	36	10	3	10
Total	**209**	**55**	**21**	**52**

The statistics presented in Table 1 highlight that ECRTS 2025 was participated by a healthy mix of about 250 researchers between authors and TPC members (with some overlap) from 25 different countries around the globe. In terms of the number of submissions, Germany, France, and the United States contributed to about 49% of the total. The overall number of submissions corresponded to an 11% decrease compared to ECRTS 2024. Nonetheless, around 40% of the submissions were characterized by a list of authors where none of them had ever published at ECRTS – at least, according to our records dating back to 2017. This is a healthy sign that ECRTS represents a gateway for new researchers approaching the real-time community with their work and that the newly introduced publicity activities were successful.

Out of the total of 55 submissions, the TPC finally accepted 21 full papers for publication. This represents an acceptance rate of about 38%. Once again, this was not a targeted acceptance rate but rather the result of an organic selection process. By the conclusion of the TPC meeting, all papers received at least four full reviews. The TPC chair invited additional reviewers for papers with low-confidence evaluations. Thus, five papers also received an additional review. After the TPC meeting, 8 papers received an *Accepted* decision (∼15%); 33 received a *Rejected* decision (60%); and 14 received a *Shepherded* decision (∼25%). Of the papers that received a *Shepherded* decision, 13 (∼93%) were subsequently accepted to appear at the conference.

Alignment between Evaluation Committees

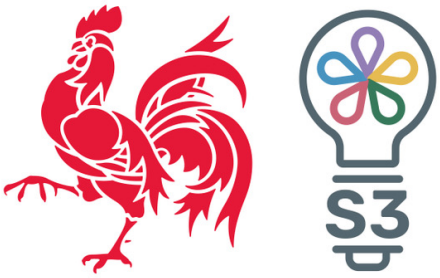
Out of the 55 total ECRTS 2025 submissions, the authors of 24 submissions (∼44%) opted to have their work also submitted for evaluation to the STPC. This is an excellent opt-in rate, given that this was the first experimental run of an STPC at any of our real-time conferences. Of the 24 submissions, 18 submissions (75%) received three reviews, and six of them received two reviews from STPC members. This highlights an excellent engagement record, considering that STPC members had, in most cases, no track record of previous involvement in similar committees.

Having an STPC operating in parallel with respect to the main TPC allows for an interesting introspection into the level of objectiveness of the overall evaluation process. In particular, we have analyzed the level of alignment between the two evaluations (TPC vs. STPC). Out of the 24 papers evaluated by the STPC, 12 (50%) received the same outcome in both committees. This ratio was computed considering the final decisions of the TPC at the end of the shepherding phase. We consider the decisions of the two committees as "aligned" in those cases where (1) the TPC recommended an *Accepted* decision and the STPC provided a positive-leaning decision (*MayAccept*, *PreAccept*, *Borderline*); or (2) the TPC recommended a *Rejected* decision and the STPC provided a negative-leaning decision (*MayReject*, *PreReject*).

ECRTS 2025 Premium Supporters

We gratefully acknowledge the support of our premium participants.

Platinum



The contribute platform of the Walloon Region

Gold

Organizers

General Chairs

Antonio Paolillo, Vrije Universiteit Brussel, Belgium
Joël Goossens, Université libre de Bruxelles, Belgium

Program Chair

Renato Mancuso, Boston University, Massachusetts, USA

Publicity Chair

Mario Günzel, TU Dortmund, Germany

Artifact Evaluation Chairs

Catherine E. Nemitz, Davidson College, North Carolina, USA
Bryan Ward, Vanderbilt University, Tennessee, USA

Industrial Challenge Chairs

Paolo Burgio, University of Modena and Reggio Emilia, Italy
Michael Roitzsch, Barkhausen Institute, Germany

Real-time Pitches Chair

Daniel Casini, Scuola Superiore Sant'Anna, Italy

Shadow TPC Chair

Filip Markovic, University of Southampton, UK

Technical Program Committee

Alex Zuepke, Technical University of Munich, Germany
Angeliki Kritikakou, Univ Rennes, Inria, IRISA, France
Antoine Bertout, University of Poitiers, France
Arpan Gujarati, University of British Columbia, Canada
Benjamin Lesage, ONERA, France
Bryan Ward, Vanderbilt University, Tennessee, USA
Chris Gill, Washington University in St. Louis, Missouri, USA
Corey Tessler, University of Nevada, Las Vegas, Nevada, USA
Cristian Klein, Elastisys, Sweden
Daniel Casini, Scuola Superiore Sant'Anna, Italy
Dirk Ziegenbein, Bosch Research, Germany
Emmanuel Grolleau, LIAS, ISAE-ENSMA, Université de Poitiers, France

37th Euromicro Conference on Real-Time Systems (ECRTS 2025).
Editor: Renato Mancuso
Leibniz International Proceedings in Informatics
LIPICS Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Dagstuhl Publishing, Germany

Federico Aromolo, Scuola Superiore Sant'Anna, Italy
Federico Reghenzani, Politecnico di Milano, Italy
Fei Guan, Northeast Forestry University, China
Francisco Cazorla, Barcelona Supercomputing Center, Spain
Gedare Bloom, University of Colorado, Colorado Springs, Colorado, USA
Georg von der Brüggen, Technical University of Dortmund, Germany
Gerhard Fohler, Technical University of Kaiserslautern-Landau, Germany
Hasan Monowar, Washington State University, Washington, USA
Heechul Yun, University of Kansas, Kansas, USA
Hoon Sung Chwa , Daegu Gyeongbuk Institute of Science and Technology, South Korea
Houssam-Eddine Zahaf, Nantes University, France
Iain Bate, University of York, UK
Isabelle Puaut, University of Rennes, France
Jian-Jia Chen, Technical University of Dortmund, Germany
Luis Almeida, FEUP/CISTER, Portugal
Marc Boyer, The French Aerospace Lab (ONERA), France
Marine Sauze-Kadar, CEA, Germany
Martina Maggio, Saarland University, Sweden
Matthias Becker, KTH Royal Institute of Technology, Sweden
Mo Foughali, IRIF, Université Paris Cité, France
Mohamed Hassan, McMaster University, Canada
Nan Guan, City University of Hong Kong, Hong Kong
Nicola Capodieci, University of Modena and Reggio Emilia, Italy
Ning Zhang, Washington University in St. Louis, Missouri, USA
Patrick Meumeu Yomsi, CISTER, Portugal
Peter Ulbrich, Technical University of Dortmund, Germany
Pontus Ekberg, Uppsala University, Sweden
Rakesh Bobba, Oregon State University, Oregon, USA
Rodolfo Pellizzoni, University of Waterloo, Canada
Sathish Gopalakrishnan, University of British Columbia, Canada
Sebastian Altmeyer, University of Augsburg, Germany
Sepideh Safari, Institute for Research in Fundamental Sciences (IPM), Iran
Silviu Craciunas, TTTech Computertechnik AG, Austria
Soham Sinha, NVIDIA, USA
Sudipta Chattopadhyay, Singapore University of Technology and Design, Singapore
Sun Jinghao, Dalian University of Technology, China
Tanmaya Mishra, Analog Devices Inc., USA
Thomas Carle, Université Toulouse 3, France
Timothy Bourke, Inria, France
Tomasz Kloda, LAAS-CNRS, France

Shadow Technical Program Committee

Aakashjit Bhattacharya, Indian Institute of Technology Kharagpur, India
Abderaouf Nassim Amalou, Nantes University, France
Andoni Amurrio, Ikerlan, Spain
Anton Njavro, Boston University, USA

Arnau Casadevall Saiz, Vrije Universiteit Brussel, Belgium
Ashish Kashinath, University of Illinois at Urbana-Champaign, USA
Binqi Sun, Technical University of Munich, Germany
Daniel Bujosa, Mälardalen University, Sweden
Daniel Kuhse, TU Dortmund University, Germany
Dimitrios Papadimitriou, Université Libre de Bruxelles, Belgium
Francesco Ciraolo, Boston University, USA
Irida Shallari, Mid Sweden University, Sweden
Jatin Arora, VORTEX CoLAB and CISTER Research Centre, Portugal
Lars Willemsen, TU Dortmund, Germany
Mattia Nicolella, Boston University, USA
Mohamed Amine Khelassi, CEA List, France
Niraj Kumar, IIT Goa, India
Nourhan Sakr, American University in Cairo, Egypt
Priyesh Pappinisseri Puluckul, IDLab – Faculty of Applied Engineering, University of Antwerp, Belgium
Shareef Ahmed, University of North Carolina at Chapel Hill, USA
Shriram Raja, Boston University, USA
Shumo Wang, Northeastern University, Shenyang, China
Thilanka Thilakasiri, KTH Royal Institute of Technology, Sweden
Yuwen Shen, SOFT language lab VUB, Belgium

List of Secondary Reviewers

Abderaouf Nassim Amalou, Nantes Université, France
Abdulkadir Karaagac, Bosch Research, Germany
Akshith Gunasekaran, Oregon State University, USA
Aleksandra Obeso Duque, Ericsson and Umeå University, Sweden
Alexander Krause, TU Dortmund, Germany
Allan Paz, RPTU Kaiserslautern, Germany
Alwin Berger, TU Dortmund, Germany
Andrea Bastoni, Technical University of Munich, Germany
Andrew Clark, Washington University in St. Louis, USA
Annie Geniet, LIAS, Universite de Poitiers, ISAE-ENSMA,
Damien Guidolin–Pina, ECE Bordeaux School of Engineering, France
Daniel Kuhse, TU Dortmund, Germany
Daniele Ottaviano, Technical University of Munich, Germany
Davide Baroffio, Politecnico di Milano, Italy
Davide Bellassai, Scuola Superiore Sant'Anna, Pisa, Italy
Donato Ferraro, Università degli Studi di Modena e Reggio Emilia, Italy
Filippo Muzzini, University of Modena and Reggio Emilia, Italy
Francesco Paladino, Scuola Superiore Sant'Anna, Pisa, Italy
Gerlando Sciangula, Scuola Superiore Sant'Anna, Pisa, Italy
Ibrahim Alkoudsi, RPTU Kaiserslautern, Germany
Isser Kadusale, RPTU Kaiserslautern, Germany
Joseph Bedzra, University of Colorado Colorado Springs, USA
Luiz Maia, RPTU Kaiserslautern, Germany

Mario Günzel, TU Dortmund, Germany
Miguel Gutierrez-Gaitan, Pontificia Universidad Católica de Chile, Chile
Mohammad Fakhruddin Babar, Washington State University, USA
Nan Chen, University of York, UK
Nayereh Rasouli, Umeå University, Sweden
Niko Salamini, Scuola Superiore Sant'Anna, Pisa, Italy
Oliver Larsson, Umeå University, Sweden
Omolade Ikumapayi, University of Colorado Colorado Springs, USA
Orangel Contreras, Instituto de Telecomunicações, Portugal
Pedro d'Orey, CISTER - Instituto Politécnico do Porto, Portugal
Pedro Santos, Universidade de Aveiro, Portugal
Philip Schowitz, University of British Columbia, Canada
Tamim Ahmed, Washington State University, USA
Thomas Alexander Hövelmann, TU Dortmund, Germany
Tomas Antonio Lopez, Politecnico di Milano, Italy
Veronica Rispo, Scuola Superiore Sant'Anna, Pisa, Italy
Vijay Banerjee, University of Colorado Colorado Springs, USA

List of Authors

Jaume Abella (20)
Barcelona Supercomputing Center (BSC), Spain

Luca Abeni (3)
Scuola Superiore Sant'Anna, Pisa, Italy

Kunal Agrawal (13, 15)
Washington University in Saint Louis, MO, USA

Sebastian Altmeyer (12)
Embedded Systems Chair, University of Augsburg, Germany

James H. Anderson (21)
University of North Carolina at Chapel Hill, NC, USA

Mihail Asavoae (19)
Université Paris-Saclay, CEA List, Palaiseau, France

Joshua Bakita (21)
University of North Carolina at Chapel Hill, NC, USA

Sanjoy Baruah (13, 15)
Washington University in Saint Louis, MO, USA

Twan Basten (3)
Eindhoven University of Technology, The Netherlands

Andrea Bastoni (2)
Technical University of Munich, Germany

Peter Bella (17)
TU Dortmund, Germany

Mauro Bellone (6)
FinEst Centre for Smart Cities, Tallinn University of Technology, Estonia

Slim Ben Amor (7)
StatInf, Gentilly, France

Benjamin Binder (19)
Independent researcher, Paris, France

Alessandro Biondi (3)
Scuola Superiore Sant'Anna, Pisa, Italy

Marc Boyer (22)
ONERA/DTIS, Université de Toulouse, 31000 Toulouse, France

Florian Brandner (19)
LTCI, Télécom Paris, Institut Polytechnique de Paris, Palaiseau, France

Marco Caccamo (2)
Technical University of Munich, Germany

Thomas Carle (11)
Université de Toulouse, IRIT, CNRS, France

Daniel Casini (3)
Scuola Superiore Sant'Anna, Pisa, Italy

Francisco J. Cazorla (20)
Barcelona Supercomputing Center (BSC), Spain

Jian-Jia Chen (17)
TU Dortmund, Germany

Kuan-Hsun Chen (17)
University of Twente, The Netherlands

Franco Cordeiro (5)
LTCI, Télécom Paris, Institut Polytechnique de Paris, France

Liliana Cucu-Grosjean (7)
Kopernic, Inria, Paris, France

Dakshina Dasari (14)
Robert Bosch GmbH, Corporate Research, Renningen, Germany

Arvind Easwaran (10)
Nanyang Technological University, Singapore

Pascal Felber (8)
Computer science department, University of Neuchâtel, Switzerland

Jeremy T. Fineman (15)
Georgetown University, Washington, D.C., USA

Andreas Finkenzeller (6)
School of Computation, Information and Technology, Technical University of Munich, Germany

Amalinda Gamage (10)
National University of Singapore, Singapore

Marc Geilen (3)
Eindhoven University of Technology, The Netherlands

Marcus Gualtieri (14)
Robert Bosch LLC, Corporate Research, Sunnyvale, CA, USA

37th Euromicro Conference on Real-Time Systems (ECRTS 2025).
Editor: Renato Mancuso
Leibniz International Proceedings in Informatics
LIPICS Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Dagstuhl Publishing, Germany

Zhishan Guo (13)
North Carolina State University, Raleigh, NC, USA

Christian Göttel (8)
Corporate Research Center, ABB Schweiz AG, Baden-Dättwil, Switzerland

Mario Günzel (17)
TU Dortmund, Germany

Mohammad Hamad (6)
School of Computation, Information and Technology, Technical University of Munich, Germany

Anja Hamscher (18)
Distributed Computer Systems Lab (DISCO), RPTU Kaiserslautern-Landau, Germany

Zdeněk Hanzálek (1)
Czech Institute of Informatics, Robotics and Cybernetics, Czech Technical University in Prague, Czech Republic

Ismail Hawila (7)
Kopernic, Inria, Paris, France; StatInf, Gentilly, France

Rafik Henia (22)
CortAIx Labs, Palaiseau, France

Louison Jeanmougin (11)
Université de Toulouse, IRIT, CNRS, France

Christian Juette (14)
Robert Bosch LLC, Corporate Research, Sunnyvale, CA, USA

Tomasz Kloda (2)
LAAS-CNRS, Insa de Toulouse, France

David Kozhaya (8)
Corporate Research Center, ABB Schweiz AG, Baden-Dättwil, Switzerland

Niraj Kumar (10)
Indian Institute of Technology, Goa, India

Yedla Anil Kumar (4)
Chemical Engineering, IIT Kharagpur, India

Wafic Lawand (9)
University of Waterloo, Waterloo, Ontario, Canada

Jing Li (13)
New Jersey Institute of Technology, Newark, NJ, USA

Olaf Maennel (6)
School of Computer and Mathematical Sciences, The University of Adelaide, Australia

Blau Manau (20)
Barcelona Supercomputing Center (BSC), Spain

Alberto Marchetti-Spaccamela (15)
University of Rome, Italy

Mauro Marinoni (3)
Scuola Superiore Sant'Anna, Pisa, Italy

Enrico Mezzetti (20)
Barcelona Supercomputing Center (BSC), Spain

Sreyashi Mukherjee (4)
ATDC, IIT Kharagpur, India

Jämes Ménétrey (8)
Computer science department, University of Neuchâtel, Switzerland

Mitra Nasri (3)
Eindhoven University of Technology, The Netherlands

Laurent Pautet (5)
LTCI, Télécom Paris, Institut Polytechnique de Paris, France

Rodolfo Pellizzoni (2, 9)
University of Waterloo, Ontario, Canada

Victor Pollex (16)
INCHRON AG, Erlangen, Germany

Federico Reghenzani (13)
Politecnico di Milano, Italy

Lionel Rieg (19)
Grenoble INP – UGA, Université Grenoble Alpes, Verimag, Grenoble, France

Andrew Roberts (6)
FinEst Centre for Smart Cities, Tallinn University of Technology, Estonia

Christine Rochange (11)
Université de Toulouse, IRIT, CNRS, France

Lilia Rouizi (19)
Université Paris-Saclay, CEA List, Palaiseau, France

Debayan Roy (2)
Technical University of Munich, Germany

Soumya Ranjan Sahoo (10)
Nanyang Technological University, Singapore

Nasim Samimi (3)
Eindhoven University of Technology, The Netherlands

Arnab Sarkar (4)
ATDC, IIT Kharagpur, India

Valerio Schiavoni (8)
Computer science department, Universiy of Neuchâtel, Switzerland

Jens Schmitt (18)
Distributed Computer Systems Lab (DISCO), RPTU Kaiserslautern-Landau, Germany

Isabel Serra (20)
Universitat Autònoma de Barcelona (UAB), Spain

Junjie Shi (17)
TU Dortmund, Germany

Frank Slomka (16)
Institute of Embedded Systems/Real-Time Systems, Faculty of Engineering, Computer Science and Psychology, Ulm University, Germany

Michal Sojka (1)
Czech Institute of Informatics, Robotics and Cybernetics, Czech Technical University in Prague, Czech Republic

Sebastian Steinhorst (6)
School of Computation, Information and Technology, Technical University of Munich, Germany

Binqi Sun (2)
Technical University of Munich, Germany

Samuel Tardieu (5)
LTCI, Télécom Paris, Institut Polytechnique de Paris, France

Mirco Theile (2)
Technical University of Munich, Germany

Tilmann L. Unte (12)
Embedded Systems Chair, University of Augsburg, Germany

Sergi Vilardell (20)
Barcelona Supercomputing Center (BSC), Spain

Georg von der Brüggen (17)
TU Dortmund, Germany

Zhihang Wei (2)
Technical University of Munich, Germany

Lukas Wildberger (18)
Distributed Computer Systems Lab (DISCO), RPTU Kaiserslautern-Landau, Germany

Sachin Yadav (4)
Civil Engineering, IIT Kharagpur, India

Kecheng Yang (13)
Texas State University, San Marcos, TX, USA

Peterson Yuhala (8)
Computer science department, University of Neuchâtel, Switzerland

Jinhao Zhao (13, 15)
Washington University in Saint Louis, MO, USA

Martin Škoudlil (1)
Czech Institute of Informatics, Robotics and Cybernetics, Czech Technical University in Prague, Czech Republic