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Message from the chairs

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Proceedings of the 30th International Conference on Real-Time Networks and Systems

Paris, France, June 7-8, 2022

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Message from the chairs

We are glad to welcome you at the 30th edition of the Real-Time Networks and Systems Conference – RTNS 22. This year's edition is a hybrid event, mixing physical and virtual attendance. It is meant to be the first step towards a return to normal after more than two years of hard restrictions that prevented the organization of physical gatherings around the world due to the COVID-19 pandemic.
RTNS' spirit always was to provide a forum for friendly interaction between members of the real-time networks and systems community. We are delighted that, after two long years of waiting, RTNS will once again provide the opportunity to interact, exchange ideas and build new collaborations in a face-to-face setting.

The physical event of the conference will take place in Paris, France. However, for the first time in its history, RTNS will host a mix of on-site and online presentations. This creates many organizational challenges that the local organization team have been taking heads-on. We hope the arrangements made will allow everyone to interact, irrespective of whether they join physically or virtually.

A few years ago, RTNS went through a disruptive set of changes, moving the organization of the conference from winter to summer. It took a couple of years to adapt, but the number of submissions is back on an increasing trend for the last three years. RTNS had a total of 43 papers submitted this year, roughly a 23% increase on last year's results. The origin of the submissions shows that RTNS is an internationally recognized conference. It received submissions from the USA, Germany, France , Canada, Belgium, Italy, China, Denmark, Sweden, Austria, UK, India, Singapore, Portugal, Finland, Japan and the Netherlands. Each submitted paper received a minimum of 3 reviews and, in 93% of the cases, received at least 4 reviews. The papers were then discussed online between the reviewers until a consensus was reached. Out of the 43 originally submitted papers, one was withdrawn, 21 were accepted and 21 rejected.

The accepted papers will be presented over two days in sessions covering a wide range of topics such as real-time networks, real-time systems scheduling and verification, mixed criticality systems, HW architectures, WCET analysis and optimization, and benchmarking.

Finally, we must acknowledge that RTNS 2022 would not be possible without the help and sustained effort of many people. We would like to thank the General co-chairs Liliana Cucu-Grosjean and Yasmina Abdeddaïm, and the Local organization Committee (Christine Anocq, Chiara Daini, Ismail Hawila, Mohamed Amine Khelassi, Marwan Wehaiba El Khazen, and Kevin Zagalo) for all their efforts to organize an hybrid conference, which involves all the combined difficulties of organizing a physical and virtual event. We must thank our Publicity Chair, Georg von der Brüggen, and our Web Chair, Kevin Zagalo, for their help to disseminate the information about the conference. We thank the program committee for the thorough reviews and productive discussions, and the steering committee for their invaluable advices and support. We finally thank Audrey Queudet for providing an inspiring keynote at the conference, and, of course, we thank all the authors for their submissions and their valuable contributions published in these proceedings.

Geoffrey Nelissen, Eindhoven University of Technology, the Netherlands
Laurent Pautet, Télécom Paris, France

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