Message from the Program Chairs

The 20th IEEE/ACM International Symposium on Cluster, Cloud, and Internet Computing (CCGrid 2020) program contains 66 high-quality technical papers selected from 234 submissions from 48 different countries (28.2% acceptance rate). The great majority of papers received three or more reviews, and we ensured that all borderline papers received at least three reviews and were discussed electronically by the Program Committee before deciding on acceptance or rejection.

Peer review reports of program committee members and their quality rating on papers have guided in the selection of best quality papers. We had no target on acceptance rate for any of topics; and all accepted papers were based on their peer review quality report. We end up observing the following statistics of each topic:

Topic	Submitted	Accepted	PC Members
Sustainable and Green Computing	19	8	35
Storage and I/O Systems	21	9	58
Cyber-Security and Privacy	25	8	40
Programming Models and Runtime Systems	25	10	76
Architecture, Networking, Data Centers	41	8	60
Performance Modelling and Evaluation	45	14	67
Internet Computing Frontiers: Edge, Fog, Serverless, Lambda, Streaming, etc.	60	14	75
Applications: Data Science, Artificial Intelligence, Cyber-Physical Systems, etc.	66	13	67
Resource Management and Scheduling	87	22	101

This high-quality program has been possible due to the hard work of 249 Program Committee members and Program Vice-Chairs of the various topics noted below:

- Internet Computing Frontiers: Edge, Fog, Serverless, Lambda, Streaming: **Stacy Patterson** (RPI, USA) and **Satish Srirama** (University of Tartu, Estonia)
- Architecture, Networking, Data Centers: **Shadi Ibrahim** (INRIA, France) and **Nageswara Rao** (Oak Ridge National Lab, USA)
- Storage, and I/O Systems: **Suren Byna** (Lawrence Berkeley National Lab, USA) and **Gregory Chockler** (U London, UK)
- Programming Models and Runtime Systems: **Gul Agha** (UIUC, USA) and **Hélène Coullon** (IMT&Inria, France)
- Scheduling and Resource Management: **Ivona Brandić** (Vienna U of Technology, Austria), **Shikharesh Majumdar** (Carleton University, Canada) and **Rizos Sakellariou** (U Manchester, UK)
- Performance Modeling and Evaluation: **Pavan Balaji** (Argonne Nat Lab, USA) and **Marco Netto** (IBM Research, Brazil)
- Cyber-Security and Privacy: **Richard Sinnott** (U. Melbourne, Australia)
- Sustainable and Green Computing: **Wu Feng** (Virginia Tech, USA) and **Young Choon Lee** (Macquarie U., Australia)
- Applications: Data Science, Artificial Intelligence, Cyber-Physical Systems: **Travis Desell** (Rochester Inst of Tech, USA), **Rajiv Ranjan** (University of Newcastle, UK) and **Lizhe Wang** (Chinese Academy of Sciences, China)

We also are indebted to the additional reviewers who volunteered their time and effort to make this the best possible CCGrid technical program. We also want to especially thank Rajkumar Buyya, the CCGrid 2020 General Chair for his never-ending guidance. Last but not least, we want to thank the technical paper authors for submitting their research results and presenting them to the CCGrid community. Without their work, this conference would not have been possible.

We have selected three papers receiving the highest quality ratings for their contributions and recommendations of program committee and vice chairs for the **best papers awards** as follows:

- First prize: "NFV Placement in Resource-Scarce Edge Nodes", Yaron Fairstein, Dor Harris, Joseph Naor and Danny Raz (Technion - Israel Institute of Technology, Israel)
- Second prize: "A Data-Driven Frequency Scaling Approach for Deadline-Aware Energy Efficient Scheduling on Graphics Processing Units (GPUs)", Shashikant Ilager, Rajeev Muralidhar, Kotagiri Rammohanrao and Rajkumar Buyya (The University of Melbourne, Australia)
- Third prize: "A Pattern-Based API for Mapping Applications to a Hierarchy of Multi-core Devices", Jia Guo, Radu Teodorescu (The Ohio State University, USA), and Gagan Agrawal (The Augusta University, USA)

Due to the pandemic situation imposed by the Coronavirus, we had to postpone the CCGrid 2020 conference. But this will not stop the CCGrid dynamism and we will lively celebrate later the 20th CCGrid conference. And now, it is your time to enjoy the CCGrid 2020 accepted publications!

Laurent Lefevre
Inria, ENS Lyon, France

Carlos A. Varela
Rensselaer Polytechnic Institute, USA