

# Message from the STAF 2022 Workshop Chairs

This volume contains the technical papers presented at three workshops co-located with the 2022 edition of the *Software Technologies: Applications and Foundations (STAF)* federation of conferences on software technologies, namely the tenth International Workshop on Bidirectional Transformations (BX 2022), the second International Workshop on Foundations and Practice of Visual Modeling (FPVM 2022) and the second International Workshop on MDE for Smart IoT Systems (MeSS 2022).

The STAF conferences, satellite events and workshops bring together leading researchers and practitioners from academia and industry to advance the state of the art in practical and foundational advances in software technology. They address all aspects of software technology, from object-oriented design, testing, mathematical approaches to modeling and verification, transformation, model-driven engineering, aspect-oriented techniques, and tools.

STAF 2022 was organized as an hybrid event by IMT-Atlantique and Nantes Université, from July 5 to July 8, 2022 in Nantes (France). STAF 2022 hosted the following workshops:

- 10th International Workshop on Bidirectional Transformations (Bx 2022), organizers: Li-yao Xia (University of Pennsylvania, US), He Xiao (SCCE USTB, Beijing, China) and Vadim Zaytsev (University of Twente, Netherlands),
- 2nd International Workshop on Foundations and Practice of Visual Modeling (FPVM 2022), organizers: Amleto Di Salle (University of L'Aquila, L'Aquila, Italy), Ludovico Iovino (Gran Sasso Science Institute, L'Aquila, Italy), Alfonso Pierantonio (University of L'Aquila, L'Aquila, Italy) and Juha-Pekka Tolvanen (MetaCase, Finland),
- 13th International Workshop on Graph Computation Models (GCM 2022), organizers: Reiko Heckel (University of Leicester, UK) and Chris Poskitt (Singapore Management University, Singapore),
- 2nd International Workshop on MDE for Smart IoT Systems (MeSS 2022), organizers: Federico Ciccozzi (Malardalen University, Sweden), Nicolas Ferry (University of Nice Côte D'Azur, France), Ludovico Iovino (Computer Science Department – Gran Sasso Science Institute, Italy), Sebastien Mosser (McMaster University, Canada), Arnor Solberg (Tellu AS, Norway) and Manuel Wimmer (KU Linz, Austria).

We would like to thank the workshop organizers who made their events successful. We are grateful to the local organizers of STAF 2022 for their trust and support. After the pandemic, it was a real pleasure to discuss research topics in person.

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Finally, we would also like to thank all the participants and people who have contributed to the events as well as the respective Program Committee members and external reviewers who carried out thorough and careful reviews.

August, 2022

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