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Laura Kovács · Karl Meinke (Eds.)

Tests and Proofs

16th International Conference, TAP 2022
Held as Part of STAF 2022
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Proceedings

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Preface

This book constitutes the refereed proceedings of the 16th International Conference on Tests and Proofs, TAP 2022, held as part of the federated conference Software Technologies: Applications and Foundations, STAF 2022, Nantes, France, in July 2022.

Six regular papers and one invited extended abstract are included in this volume. The accepted regular papers were selected from eight regular and three short paper submissions following a single-blind review process conducted by an international review committee. The papers are organized into two topical sections: (i) formal analysis and proofs, and (ii) effective testing.

The TAP conference promotes research in verification and formal methods that targets the interplay of proofs and testing: the advancement of techniques of each kind and their combination, with the ultimate goal of improving software and system dependability. Addressing this mission of TAP, at TAP 2022 we had the honour of having Marie-Christine Jakobs (TU Darmstadt) as our keynote speaker, discussing new advancements and challenges in the development of the CoVeriTest framework.

We thank authors of our proceedings papers for revising and submitting their excellent works to the TAP 2022 proceedings. We also thank EasyChair for assisting us in the scientific process of organizing TAP 2022. Finally, we would like to thank the organizing committee of STAF 2022 for their support in making TAP 2022 a successful event.

July 2022   Laura Kovács
                                                                              Karl Meinke

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