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Trends in Functional Programming

21st International Symposium, TFP 2020
Krakow, Poland, February 13–14, 2020
Revised Selected Papers

Springer

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Preface

This volume contains a selection of papers presented at the 21st International Symposium on Trends in Functional Programming (TFP 2020), held during February 13–14, 2020, in Kraków, Poland.

TFP is an international forum for researchers with interests in all aspects of functional programming, taking a broad view of current and future trends in this area. It aspires to be a lively environment for presenting the latest research results and other contributions, with an unconventional reviewing process that allows for full single-blind peer review either before or after the symposium (or both, if the pre-symposium reviews ask for changes that need a second review before inclusion in the proceedings). Each paper receives at least three reviews in each round it participates in. This year 22 papers were submitted in total (12 reviewed before the symposium, and 10 afterwards), and 18 of them were presented in Kraków, together with a keynote by Carl Seger (Chalmers University of Technology, Sweden) on "Functional Programming for Hardware Design: The Good, The Bad, The Ugly." After the final reviewing round, revised versions of 11 papers were selected for inclusion in these proceedings. The final selection spans across domain-specific languages, testing and debugging, reasoning and effects, and parallelism.

This year TFP moved from early summer to winter dates, to provide a research-oriented functional programming event separated by around six months from the ACM SIGPLAN ICFP. We co-located with Lambda Days, an established developer conference in the area, organized by Erlang Solutions, with a strong research element. Joint registration enabled TFP to attract part of the Lambda Days audience to some of the sessions, with a peak of around 120 people in the room at times, giving TFP papers significantly more exposure than usual; co-location was a great success.

All of this was only possible thanks to the hard work of the Program Committee members, and the help and support of the Lambda Days team. We are deeply grateful to both.

July 2020   Aleksander Byrski
                                                                                John Hughes

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