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Shengchao Qin (Ed.)

Unifying Theories of Programming

Third International Symposium, UTP 2010
Shanghai, China, November 15-16, 2010
Proceedings



Springer

Volume Editor

Shengchao Qin
University of Teesside
School of Computing
Borough Road
Middlesbrough, TS1 3BA
UK
E-mail: s.qin@tees.ac.uk

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Preface

This book constitutes the proceedings of the Third International Symposium on Unifying Theories of Programming (UTP 2010) held at East China Normal University, Shanghai, China, November 15–16, 2010 in conjunction with the 12th International Conference on Formal Engineering Methods (ICFEM 2010).

This symposium followed on the success of the first one, held at Walworth Castle (Durham, UK) in 2006, and the second, held at Trinity College (Dublin, Ireland) in 2008. Based on the pioneering work of C.A.R. Hoare, He Jifeng, and others on unifying theories of programming, the aims of this symposium series are, as stated in UTP 2008, to continue to reaffirm the significance of the ongoing UTP project, to encourage efforts to advance it by providing a focus for the sharing of results by those already actively contributing, and to raise awareness of the benefits of such a unifying theoretical framework among the wider computer science and software engineering communities.

The program for the UTP 2010 symposium includes one invited tutorial, three invited talks, and 12 regular paper presentations. I would like to warmly thank our invited speakers, Ana Cavalcanti, He Jifeng, Jeff Sanders and Jim Woodcock, as well as all the authors, for their enthusiastic and engaged participation in this event.

There were in total 25 submissions made to UTP 2010. Each submission was reviewed by at least three PC members. Based on the reviewers' comments, the Program Committee had careful online discussions and decided to select 12 papers to be included in the UTP 2010 proceedings. I would like to thank all Program Committee members, not only for the excellent work in the paper review and selection process, but also for their useful comments and suggestions on the organization of this symposium. It would not have been possible to form such a high-quality program without their hard work.

Thanks should also be given to Jim Woodcock and Huibiao Zhu for the help and discussions especially in the initial stage of the organization, to Jeff Sanders for valuable comments and suggestions on the UTP event, and to Geguang Pu and his colleagues for excellent local organization for both UTP and ICFEM.

This symposium was organized using, and these proceedings were assembled with the assistance of, EasyChair (www.easychair.org). I would like to thank them for being there all the time!

September 2010

Shengchao Qin

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