

Unifying Theories of Programming 2008

<https://www.cs.tcd.ie/utp08/>

Trinity College, Dublin, Ireland

September 8th–10th, 2008

Important Dates

Paper Submission	May 8th, 6am BST,	Authors Notified	June 23rd
Final Paper	July 21st	Symposium —	8th-10th September

Call For Papers

Following on the success of the first International Symposium on Unifying Theories of Programming (UTP) held at Walworth Castle in 2006, we are pleased to announce the second, to be held in Dublin in September 2008. Based on the pioneering work on unifying theories of programming of Tony Hoare, He Jifeng, and others, the aims of this Symposium series are 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 unifying theoretical frameworks among the wider computer science and software engineering communities.

Of particular interest is how unification may be used to meet the goals and difficulties to be encountered in the Grand Challenges of Computing, with particular reference to the UK's "GC6: Dependable Systems Evolution", its international cousin the "Verified Software Initiative", and their plan to develop a Verified Software Repository.

To this end the Symposium welcomes contributions on the above themes as well as others which can be related to them. Such additional themes include, but are not limited to, relational semantics, relational algebra, healthiness conditions, normal forms, linkage of theories, algebraic descriptions, incorporation of probabilistic programming, timed calculi and object-based descriptions, as well as alternative programming paradigms such as functional, logical, data-flow, and beyond. In all cases, the UTP approach should be compared and advantages/disadvantages discussed.



The proceedings of this, the second symposium, will be published by Springer LNCS.

Papers may be up to 20 pages (single-column) in length and should ideally be prepared using LaTeX in LNCS format and submitted as pdf files no later than 6am British Summer Time on May 8th, 2008.

Submissions may contain clearly marked appendices of extra material beyond the page limit, but reviewers are under no obligation to consider these.

Paper submission and reviewing will be handled by easychair.org. This site will be open for submissions from April 7th.

After the symposium, it is anticipated that selected papers will invited for submission to a journal special issue.

Invited Speakers

Jifeng He, East China Normal University, Shanghai, China
Ralph-Johan Back, Abo Akademi University, Finland.

Program Committee

Bernhard Aichernig, Graz University of Technology, Austria
Andrew Butterfield (Chair), Trinity College Dublin, Ireland
Ana Cavalcanti, University of York, UK
Yifeng Chen, University of Durham, UK
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Jim Woodcock, University of York, UK
Huibiao Zhu, East China Normal University, Shanghai, China

Local Organisation

Andrew Butterfield, Arthur Hughes, Pawel Gancarski