

Call for Extended Abstracts & Demonstrations

ThEdu'22

Theorem-proving components for Educational software

11 or 12 August 2022

<http://www.uc.pt/en/congressos/thedu/ThEdu22>

at FLoC 2022

Federated Logic Conference

July 31 - August 12, 2022 Haifa, Israel

ThEdu'22 Scope:

Computer Theorem Proving is becoming a paradigm as well as a technological base for a new generation of educational software in science, technology, engineering and mathematics. The workshop brings together experts in automated deduction with experts in education in order to further clarify the shape of the new software generation and to discuss existing systems.

Invited Speakers

Thierry Dana-Picard, Jerusalem College of Technology, Israel
Yoni Zohar, Bar Ilan University, Israel

Important Dates

- * Extended Abstracts: 9 May 2022
- * Author Notification: 6 June 2022
- * Workshop Day: 11 or 12 August 2022

Topics of interest include:

- * methods of automated deduction applied to checking students' input;
- * methods of automated deduction applied to prove post-conditions for particular problem solutions;
- * combinations of deductive and computerized enabling systems to propose next steps;
- * automated provers specific for dynamic geometry systems;
- * proofs and proving in mathematics education.

Submission

We welcome submission of extended abstracts and demonstration proposals presenting original unpublished work which is not been submitted for publication elsewhere.

All accepted extended abstracts and demonstrations will be presented at the workshop. The extended abstracts will be made available online.

Extended abstracts and demonstration proposals should be submitted via easychair, <https://easychair.org/conferences/?conf=thedu22> formatted according to <http://www.easychair.org/publications/easychair.zip>

Extended abstracts and demonstration proposals should be 5 pages (+|-1) in length and are to be submitted in PDF format.

At least one of the authors of each accepted extended abstract/demonstration proposal is expected to attend ThEdu'22 and presents their extended abstract/demonstration.

Program Committee (tentative)

Francisco Botana, University of Vigo at Pontevedra, Spain
David Cerna, Johannes Kepler University, Austria
Ludovic Font, Université de Montréal, Canada
João Marcos, Universidade Federal do Rio Grande do Norte, Brazil (co-chair)
Filip Maric, University of Belgrade, Serbia
Adolfo Neto, Universidade Tecnológica Federal do Paraná, Brazil
Walther Neuper, Graz University of Technology, Austria (co-chair)
Pedro Quaresma, University of Coimbra, Portugal (co-chair)
Philippe R. Richard, Université de Montréal, Canada
Vanda Santos, University of Aveiro, Portugal
Wolfgang Schreiner, Johannes Kepler University, Austria
Jørgen Villadsen, Technical University of Denmark, Denmark

Proceedings

The extended abstracts and system descriptions will be available in ThEdu'22 Web-page. After the Workshop an open call for papers will be issued. It is expected that authors of accepted extended abstract can submit a substantially revised version, extended to 14--20 pages, for publication by the Electronic Proceedings in Theoretical Computer Science (EPTCS).