

CALL FOR PAPERS - RESEARCH TRACK

AGH and collaborating institutions invite you to **submit** your work to **Lambda Days 2019 Research Track**.

Important dates:

Manuscript submission: **31 October 2018**

1st review round: **23 December 2018**

Revised version: **20 February 2019**

Presentation at the Conference: **21 February 2019**

After the conference the reviews will be finalized and accepted papers will appear as soon as possible in one of two journals: Concurrency and Computation, Practice and Experience (Wiley, JCR) or Computer Science (AGH, ESCI WoS). The assignment depends on the quality of paper and on author's preferences.

Note that, the call is open all the time, so if you get published in the journal before the above-given deadlines (in the Research Track area of interest) - you will still get invitation to the conference as a speaker, and your conference fee will be waived if you decide to show up.

The Lambda Days Research Track on Computing and Simulation Tools and Applications based on Functional Programming 2019 will focus on developments in functional programming (such as novel programming languages) and different scientific applications of functional programming methods connected with computing and simulation.

Contemporary computing problems require high performance hardware, which implies use of fast, parallel and distributed processing, therefore HPC and is one of the main aspects of the **Research Track**, because the efficient development of new algorithms for such platforms can significantly benefit from using a functional approach.

All the theoretical, design and technological works, as well as applications in the area of computing and simulation can be submitted, however they have to be connected with functional programming world.

All manuscripts will be reviewed by at least two members of the **Programme Committee**. The review process includes presentation of the results at the **Research Track** of the Lambda Days 2018 conference (**note that the conference fee for the speakers will be covered by the organizers**).

STEERING COMMITTEE

Jeremy Gibbons Oxford University, UK
Kevin Hammond University of St. Andrews, UK
Robert Harper Carnegie Mellon University, USA
Zoltan Horvath Eotvos Lorand University, Hungary
John Hughes Chalmers University, Sweden
Graham Hutton Nottingham University, UK
Greg Michaelson Heriott-Watt University, UK
Mary Sheeran Chalmers University, Sweden
Rinus Plasmeijer Radboud University, Netherlands
Simon Thompson University of Kent, UK
Philip Wadler University of Edinburgh, UK
Robert Virding Erlang Solutions Ltd., UK
Marek Zaionc Jagiellonian University, Poland

CHAIRS

Aleksander Byrski AGH University, Poland
Wojciech Turek AGH University, Poland

PROGRAMME COMMITTEE

Marco Aldinucci University of Torino, Italy
Adam Barwell University of St. Andrews, Scotland, UK
Bartosz Balis AGH University, Poland
Christopher Brown University of St. Andrews, Scotland, UK

Dariusz Barbucha Gdynia Maritime University, Poland
Laura Castro University of Coruna, Spain
Carlos Cotta University of Malaga, Spain
Alexey Cheptsov HLRS, Germany
Natalia Chechina Bournemouth University, UK
Ireneusz Czarnowski Gdynia Maritime University, Poland
Paweł Czarnul Gdansk University of Technology, Poland
Roman Debski AGH University, Poland
Frederic Gava University Paris Est, France
Jose Gracia HLRS, Germany
Katarzyna Grygiel Jagiellonian University, Poland
Zhenjiang Hu University of Tokyo, Japan
Tamas Kozsik Eotvos Lorand University, Hungary
Janusz Kacprzyk Systems Research Institute, PAN, Poland
Joanna Kołodziej Cracow University of Technology, Poland
Krzysztof Krawiec Poznan University of Technology, Poland
Maciej Malawski AGH University, Poland
Ngoc-Thanh Nguyen Wroclaw University of Science and Technology, Poland
Katarzyna Rycerz AGH University, Poland
Paweł Topa AGH University, Poland
Jarosław Wąs AGH University, Poland
Janusz Wojtusiak George Mason University, USA