

TFP 2021 PROGRAMME

Day 2 - 17.02 Wednesday

CET Min
12:00 60
13:00 10

Chair: Viktória Zsók

13:10 50 *TFP Invited talk - Prof. Zhenjiang Hu (Peking University): Constructive Bidirectional Programming*

14:00 20
14:20 10

Chair: John Hughes

14:30 25 *Pieter Koopman, Steffen Michels and Rinus Plasmeijer: Dynamic Editors for Well-Typed Expressions*

14:55 25 *Mart Lubbers, Haye Böhm, Pieter Koopman and Rinus Plasmeijer: Asynchronous Shared Data Sources*

15:20 10

15:30 25 *Joanna Sharrad and Olaf Chitil: Locating Type Errors Speedily with Delta Debugging*

15:55 25 *Péter Berezsky and Dániel Horpácsi: Program Equivalence in Sequential Core Erlang*

16:20 10
16:30 60
17:30 30

Day 3 - 18.02 Thursday

CET Min
12:00 60
13:00 10

Chair: Viktória Zsók

13:10 25 *Damian Frolich and Thomas van Binsbergen: A generic back-end for exploratory programming*

13:35 25 *Michał Jan Gajda and Dmitry Krylov: Fast XML/HTML for Haskell: XML TypeLift*

14:00 20
14:20 10
14:30 30
15:00 5
15:05 30
15:35 5
15:40 25

Chair: Marco Morazan

16:05 25 *Michał Jan Gajda, Gabriel Araujo Nogueira and Vitor Vitali Barrozzi: Multicloud API binding generation from documentation*

16:30 10

16:40 25 *Daniel Melcer and Stephen Chang: ProofViz: An Interactive Visual Proof Explorer*

17:05 25 *Monem Shennat: Dimensional Analysis for Multidimensional Dataflow Programming*

17:30 30

Day 4 - 19.02 Friday

CET Min
12:00 60
13:00 10

Chair: Pieter Koopman

13:10 25 *Taine Zhao: JIT for Dynamic Programming Languages Considered Easy*

13:35 25 *Philip Munksgaard, Svend Breddam, Troels Henriksen, Fabian Gieseke and Cosmin Oancea: Dataset Sensitive Autotuning of Multi-Versioned Code based on Monotonic Properties*

14:00 20
14:20 10

14:30	25	<u>Yusuf Motara</u>: <i>High-Level Modelling for Typed Functional Programming</i>
14:55	25	<u>Vít Šefl</u>: <i>Translating Lambda Calculus into C++ Templates</i>
15:20	10	Chair: Viktória Zsók
15:30	25	<u>Michal Jan Gajda</u>: <i>Curious properties of latency distributions</i>
15:55	25	John Lind, Nebojsa Mihajlovic and <u>Magnus O. Myreen</u>: <i>Verified Hash Map and Buffered I/O Libraries for CakeML</i>
16:20	10	
16:30	60	
17:30	30	