Saturday January 26, 2013

16:00 – 21:00
SOFSEM 2013 Registration

19:00 – 21:30
Dinner

Sunday January 27, 2013

8:30 – 9:00
SOFSEM 2013 Registration

8:45 – 9:00
Peter van Emde Boas, General Chair: SOFSEM 2013 Opening Session

9:00 – 10:30
Wolfgang Paul: Theory of Multicore Hypervisor Verification
chaired by P. van Emde Boas

10:30 – 11:00
Coffee Break

11:00 – 12:30
Sjaak Brinkkemper: Software Production: Research Challenges of the Software Industry
chaired by J. Nawrocki

12:30 – 13:30
Lunch Break

15:15 – 16:45
Aldo Gangemi: Discovering, Recognizing, and Using Knowledge Patterns
chaired by H. Sack

16:45 – 17:15
Coffee Break

17:15 – 18:45
Gerhard J. Woeginger: Coalition Formation in Hedonic Games
chaired by G. F. Italiano

19:00 – 20:00
SOFSEM 2013 Welcome Dinner

Monday January 28, 2013

9:00 – 10:30
František Plášil: Software Components in Computer Assisted Living?
chaired by J. Štuller

10:30 – 11:00
Coffee Break

11:00 – 12:25
A. Ambainis, A. Bačkurs, K. Balodis, J. Smotrovs, A. Škuškovniks and M. Virza: Worst Case Analysis of Non-Local Games

11:25 – 11:50
M. Gwynne and O. Kullmann: Generalising and Unifying SLUR and Unit-refutation Completeness

11:50 – 12:15
V. Lonati, D. Mandrioli and M. Pradel: Logic Characterization of Invisibly Structured Languages: the Case of Floyd Languages

12:15 – 13:15
Lunch Break

13:15 – 14:00
Student Research Forum – Poster Preparations

14:00 – 14:45
Student Research Forum – Presentations

14:45 – 15:45
Student Research Forum – Posters

15:45 – 16:10
L. Aceto, E.-I. Goriac and A. Ingolfsdottir: SOS Rule Formats for Idempotent Terms and Idempotent Unary Operators

16:10 – 16:35
S. De Gouw, F. S. De Boer, W. Ahrendt and R. Bubel: Weak Arithmetic Completeness of Object-Oriented Inductive Assertion Networks

16:35 – 17:00
J. Rot, M. Bonsangue and J. Rutten: Coalgebraic Bistimulation-Up-To

17:00 – 17:30
Coffee Break
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<tr>
<th>Time</th>
<th>Session</th>
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<td></td>
<td>S. Hartung, C. Komusiewicz and A. Nichterlein: On Structural Parameterizations for the 2-Club Problem: Classical &amp; Parameterized Complexity</td>
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<td>A. Dobó and J. Csirik: Computing Semantic Similarity Using Large Static Corpora</td>
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<td>17:55 – 18:20</td>
<td>D. Janin: On Languages of One-dimensional Overlapping Tiles</td>
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<td>T. Katsura, Kazuyuki Narisawa, Ayumi Shinohara, Hideo Bannai and S. Inenaga: Permutated Pattern Matching on Multi-Track Strings</td>
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<td>V. Slaviček: Ontology-Driven Fuzzy Workflow System</td>
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<td>M. Rink: Mixed Hypergraphs for Linear-time Construction of Denser Hashing-based Data Structures</td>
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<td>O. Šváb-Zamazal, A. Schlicht, H. Stuckenschmidt and V. Svátek: Constructs Replacing and Complexity Downgrading via a Generic OWL Ontology Transformation Framework</td>
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19:00 – 20:00 Dinner

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**Tuesday January 29, 2013**

9:00 – 10:30 Arnold Smeulders: Searching Things in Large Sets of Images chaired by F. C. A. Groen Hall A

10:30 – 11:00 Coffee Break

11:00 – 11:25 M. Babenko: Flow Decompositions in External Memory


11:50 – 12:15 M. M. Kante, L. Christian and M. Benjamin: An Exact Algorithm to Construct (Elementary) Paths and a Generalization of the Cut Problem in Graphs with Forbidden Transitions

12:15 – 12:40 E. Morsy: Approximating the k-Splittable Capacitated Network Design Problem

12:40 – 14:00 Lunch Break

14:00 – 18:30 Outdoor Activities

18:45 Meeting Point by the Hotel Reception

19:00 – 22:30 SOFSEM 2013 Dinner at Medvěd Restaurant

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**Wednesday January 30, 2013**

9:00 – 10:30 Dirk Riehle: Best of (our) Empirical Open Source Research chaired by J. Nawrocki Hall A

10:30 – 11:00 Coffee Break

11:00 – 12:30 Fabien Gandon: ISICIL: Semantics and Social Networks for Business Intelligence chaired by H. Sack Hall A

12:30 – 13:30 Lunch Break

15:15 – 16:45 Peter Sanders: Engineering Algorithms for Large Data Sets chaired by G. F. Italiano Hall A

16:45 – 17:15 Coffee Break

17:15 – 18:45 Michael Beetz: Cognition-Enabled Autonomous Robot Control for the Realization of Home Chore Task Intelligence chaired by F. C. A. Groen Hall A

18:45 – 19:00 Peter van Emde Boas, General Chair: SOFSEM 2013 Closing Session

19:00 – 20:00 Dinner

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**Thursday January 31, 2013**

6:00 Bus 1 leaving from the hotel

9:00 Bus 2 leaving from the hotel

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**Legend**

- Foundations of Computer Science A
- Foundations of Computer Science B
- Software & Web Engineering
- Social Computing and Human Factors
- Data, Information and Knowledge Engineering
- Major Achievements in Software Studies
- Invited Talks
- Student Research Forum
- Poster Session
- miniSOFSEM Panel
- Social Activities
- Organization Activities
- Breaks