TACS2001 PROGRAM

OCTOBER 28 SUNDAY
16:00  REGISTRATION at Sendai Tokyu Hotel till 21:00
19:30  WELCOME RECEPTION at Sendai Tokyu Hotel till 21:00

OCTOBER 29 MONDAY
at Aoba Memorial Building, Tohoku University

INVITED TALK 1
9:10  A Spatial Logic for Concurrency
      Luca Cardelli (joint work with Luis Caires)

10:10 Break

SESSION 1, 10:30 - 12:00
10:30  Boxed Ambients
       Michele Bugliesi, Giuseppe Castagna, Silvia Crafa

11:00  A Typed Process Calculus for Fine-Grained Resource Access Control in Distributed Computation
       Daisuke Hoshina, Eijiro Sumii and Akinori Yonezawa

11:30  Formal Eavesdropping and its Computational Interpretation
       MartÌn Abadi and Jan Jurjens

12:00 Lunch Break

INVITED TALK 2
13:15  Resource-Passing Concurrent Programming
       Kazunori Ueda

14:15 Break

SESSION 2, 14:35 - 15:35
14:35  Solo Diagrams
       Cosimo Laneve, Joachim Parrow, Bj˝rn Victor

15:05  Observational Equivalence for Synchronized Graph Rewriting with Mobility
       Barbara K`nig and Ugo Montanari

15:35 Break

SESSION 3, 15:55 - 17:25
15:55  Fixed-point Logic with the Approximation Modality and its Kripke Completeness
       Hiroshi Nakano

16:25  Termination Proofs and Complexity Certification
       Daniel Leivant

16:55  A Renee Equation for Algorithmic Complexity
       Keye Martin

17:25 Break
OCTOBER 30 TUESDAY
at Aoba Memorial Building, Tohoku University

INVITED TALK 3
9:10  Nominal Logic: A First Order Theory of Names and Binding
Andrew M. Pitts

10:10 Break

SESSION 4, 10:30 - 12:00
10:30  A Logic Programming Language based on Binding Algebras
Makoto Hamana

11:00  Proof-search and Countermodel Generation in Propositional BI Logic
Didier Galmiche and Daniel Méry

11:30  Generation of a Linear Time Query Processing Algorithm based on Well-Quasi-Orders
Mizuhito Ogawa

12:00 Lunch Break

INVITED TALK 4
13:15  Modelisation of Timed Automata in Coq
Christine Paulin-Mohring

14:15 Break

SESSION 5, 14:35 - 16:05
14:35  Model-Checking LTL with Regular Valuations for Pushdown Systems
Javier Esparza, Antonín Kučera, Stefan Schwoon

15:05  What Will be Eventually True of Polynomial Hybrid Automata?
Martin Frénzle

15:35  Non-structural Subtype Entailment in Automata Theory
Joachim Niehren and Tim Priesnitz

16:05 Break

SESSION 6, 16:25 - 17:25
16:25  Bisimulation and Other Undecidable Equivalences for Lossy Channel Systems
Philippe Schnoebelen

16:55  Weakest Congruence Results Concerning "Any-Lock"
Antti Puhakka

17:25 Break

18:30 BANQUET at Sendai Tokyu Hotel till 20:30
OCTOBER 31st WEDNESDAY
at Aoba Memorial Building, Tohoku University

INVITED TALK 5
9:10 Design and Correctness of Program Transformations based on Control-Flow Analysis
Jon G. Riecke (joint work with Anindya Banerjee and Nevin Heintze)

10:10 Break

SESSION 7, 10:30 - 12:00
10:30 Infinite Intersection and Union Types for the Lazy Lambda Calculus
Marcello M. Bonsangue and Joost N. Kok

11:00 Strong Normalization of Second Order Symmetric Lambda-mu Calculus
Yoriyuki Yamagata

11:30 The Girard-Reynolds Isomorphism
Philip Wadler

12:00 Lunch Break

INVITED TALK 6
13:15 Lightweight Analysis of Object Interactions
Daniel Jackson (joint work with Alan Fekete)

14:15 Break

SESSION 8, 14:30 - 15:30
14:30 Typing Assembly Programs with Explicit Forwarding
Lennart Beringer

15:00 The UDP Calculus: Rigorous Semantics for Real Networking
Andrei Serjantov, Peter Sewell, Keith Wansbrough

15:30 Break

OPEN LECTURE
15:45 Theory and Practice of Synchronization
Benjamin C. Pierce

17:00 CLOSING SESSION till 17:10

18:30 Japanese Dinner Party for Participants from Abroad till 20:30
TACS2001 is sponsored by
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Japan Society for Software Science and Technology
Association for Symbolic Logic
Association for Computing Machinery–SIGACT

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