

Contents

Invited Talk

Spatial Edge Services - From Coordination Model to Actual Applications . . .	3
<i>Giovanna Di Marzo Serugendo</i>	

Languages and Tools

AErlang: Empowering Erlang with Attribute-Based Communication	21
<i>Rocco De Nicola, Tan Duong, Omar Inverso, and Catia Trubiani</i>	
Simpler Coordination of JavaScript Web Workers	40
<i>Marco Krauweel and Sung-Shik T.Q. Jongmans</i>	
Optimally-Self-Healing Distributed Gradient Structures Through Bounded Information Speed.	59
<i>Giorgio Audrito, Ferruccio Damiani, and Mirko Viroli</i>	
Development Tools for Rule-Based Coordination Programming in LINC	78
<i>Maxime Louvel, François Pacull, Eric Rutten, and Adja Ndeye Sylla</i>	

Types

Session-ocaml: A Session-Based Library with Polarities and Lenses	99
<i>Keigo Imai, Nobuko Yoshida, and Shoji Yuen</i>	
Retractable and Speculative Contracts	119
<i>Franco Barbanera, Ivan Lanese, and Ugo de'Liguoro</i>	
A Denotational View of Replicated Data Types	138
<i>Fabio Gadducci, Hernán Melgratti, and Christian Roldán</i>	

Resource, Components and Information Flow

Many-to-Many Information Flow Policies	159
<i>Paolo Baldan, Alessandro Beggiato, and Alberto Lluch Lafuente</i>	
Modelling the Dynamic Reconfiguration of Application Topologies, Faults Included	178
<i>Antonio Brogi, Andrea Canciani, and Jacopo Soldani</i>	

Constraint-Flow Nets: A Model for Building Constraints from Resource
Dependencies 197
Simon Bliudze, Alena Simalatsar, and Alina Zolotukhina

Verification

Verifying Timed BPMN Processes Using Maude 219
Francisco Durán and Gwen Salaün

Full-Abstraction for Must Testing Preorders: (Extended Abstract) 237
Giovanni Bernardi and Adrian Francalanza

Communication Requirements for Team Automata 256
*Maurice H. ter Beek, Josep Carmona, Rolf Hennicker,
and Jetty Kleijn*

Author Index 279

Coordination Models and Languages

19th IFIP WG 6.1 International Conference,

COORDINATION 2017, Held as Part of the 12th

International Federated Conference on Distributed

Computing Techniques, DisCoTec 2017, Neuchâtel,

Switzerland, June 19-22, 2017, Proceedings

Jacquet, J.-M.; Massink, M. (Eds.)

2017, XII, 279 p. 94 illus., Softcover

ISBN: 978-3-319-59745-4