

Table of Contents

Invited Presentations

Playing Games with Software Design	1
<i>Perdita Stevens</i>	
Coordination and System Design in a Network-Centric Age	2
<i>Jim Waldo</i>	
Time, Knowledge, and Cooperation: Alternating-Time Temporal Epistemic Logic and Its Applications	4
<i>Michael Wooldridge and Wiebe van der Hoek</i>	

Accepted Papers

Coordination for Orchestration	5
<i>Luis F. Andrade, Jose L. Fiadeiro, Joao Gouveia, Georgios Koutsoukos, and Michael Wermelinger</i>	
Concurrent Semantics for the Web Services Specification Language DAML-S	14
<i>Anupriya Ankolekar, Frank Huch, and Katia Sycara</i>	
Coordination through Channel Composition	22
<i>Farhad Arbab and Farhad Mavaddat</i>	
Exogenous and Endogenous Extensions of Architectural Types	40
<i>Marco Bernardo and Francesco Franzè</i>	
Coordinating Mobile Object-Oriented Code	56
<i>Lorenzo Bettini, Viviana Bono, and Betti Venneri</i>	
Formalizing Properties of Mobile Agent Systems	72
<i>Lorenzo Bettini, Rocco De Nicola, and Michele Loreti</i>	
Dynamically Adapting the Behaviour of Software Components	88
<i>Andrea Bracciali, Antonio Brogi, and Carlos Canal</i>	
An Associative Broadcast Based Coordination Model for Distributed Processes	96
<i>James C. Browne, Kevin Kane, and Hongxia Tian</i>	
State- and Event-Based Reactive Programming in Shared Dataspaces	111
<i>Nadia Busi, Antony Rowstron, and Gianluigi Zavattaro</i>	

Integrating Two Organizational Systems through Communication Genres	125
<i>Carlos J. Costa, Pedro Antunes, and João Ferreira Dias</i>	
OpenCoLaS a Coordination Framework for CoLaS Dialects	133
<i>Juan Carlos Cruz</i>	
Coordination in a Reflective Architecture Description Language	141
<i>Carlos E. Cuesta, Pablo de la Fuente, Manuel Barrio-Solórzano, and Encarnación Beato</i>	
Coordinating Software Evolution via Two-Tier Programming	149
<i>Amnon H. Eden and Jens Jahnke</i>	
Criteria for the Analysis of Coordination in Multi-agent Applications	158
<i>Rejane Frozza and Luis Otávio Alvares</i>	
Towards a Colimit-Based Semantics for Visual Programming	166
<i>Jeremy Gibbons</i>	
The Cost of Communication Protocols and Coordination Languages in Embedded Systems	174
<i>Kees G.W. Goossens and Om Prakash Gangwal</i>	
Operational Semantics for Coordination in Paradigm	191
<i>Luuk Groenewegen and Erik de Vink</i>	
Service Provision in Ad Hoc Networks	207
<i>Radu Handorean and Gruia-Catalin Roman</i>	
PN^2 : An Elementary Model for Design and Analysis of Multi-agent Systems	220
<i>Kunihiko Hiraishi</i>	
A Recovery Technique Using Multi-agent in Distributed Computing Systems	236
<i>Hwa-Min Lee, Kwang-Sik Chung, Sang-Chul Shin, Dae-Won Lee, Won-Gyu Lee, and Heon-Chang Yu</i>	
An Order-Based, Distributed Algorithm for Implementing Multiparty Interactions	250
<i>José Antonio Pérez, Rafael Corchuelo, David Ruiz, and Miguel Toro</i>	
Exploiting Transiently Shared Tuple Spaces for Location Transparent Code Mobility	258
<i>Gian Pietro Picco and Marco L. Buschini</i>	
Formal Specification of JavaSpaces TM Architecture Using μ CRL	274
<i>Jaco van de Pol and Miguel Valero Espada</i>	

Objective vs. Subjective Coordination in Agent-Based Systems: A Case Study	291
<i>Alessandro Ricci, Andrea Omicini, and Enrico Denti</i>	
Scheduling under Uncertainty: Planning for the Ubiquitous Grid	300
<i>Neal Sample, Pedram Keyani, and Gio Wiederhold</i>	
Using Logical Operators as an Extended Coordination Mechanism in Linda	317
<i>Jim Snyder and Ronaldo Menezes</i>	
A Framework for Coordinating Parallel Branch and Bound Algorithms . . .	332
<i>Andries Stam</i>	
Policies for Cooperative Virtual Teams	340
<i>Samir Tata</i>	
The SPACETUB Models and Framework	348
<i>Robert Tolksdorf and Gregor Rojec-Goldmann</i>	
Tuple-Based Models in the Observation Framework	364
<i>Mirko Viroli and Andrea Omicini</i>	
Extending the Matching Facilities of Linda	380
<i>George Wells, Alan Chalmers, and Peter Clayton</i>	
Semantics of Protocol Modules Composition and Interaction	389
<i>Paweł T. Wojciechowski, Sergio Mena, and André Schiper</i>	
Author Index	405