

Table of Contents

<i>Invited Paper: Cooperating Mobile Agents and Stabilization</i>	1
<i>Sukumar Ghosh</i>	
Cross-Over Composition - Enforcement of Fairness under Unfair Adversary	19
<i>Joffroy Beauquier, Maria Gradinariu, Colette Johnen</i>	
Easy Stabilization with an Agent	35
<i>Joffroy Beauquier, Thomas Héroult, Elad Schiller</i>	
Stabilization of Routing in Directed Networks	51
<i>Jorge A. Cobb, Mohamed G. Gouda</i>	
Dijkstra's Self-Stabilizing Algorithm in Unsupportive Environments	67
<i>Shlomi Dolev, Ted Herman</i>	
Communication Adaptive Self-Stabilizing Group Membership Service (Extended Abstract)	82
<i>Shlomi Dolev, Elad Schiller</i>	
(Im)Possibilities of Predicate Detection in Crash-Affected Systems	98
<i>Felix C. Gärtner, Stefan Pleisch</i>	
The Theory of Weak Stabilization	114
<i>Mohamed G. Gouda</i>	
On the Security and Vulnerability of PING	124
<i>Mohamed G. Gouda, Chin-Tser Huang, Anish Arora</i>	
A New Efficient Tool for the Design of Self-Stabilizing ℓ -Exclusion Algorithms: The Controller	136
<i>Rachid Hadid, Vincent Villain</i>	
Self-Stabilizing Agent Traversal	152
<i>Ted Herman, Toshimitsu Masuzawa</i>	
A Composite Stabilizing Data Structure	167
<i>Ted Herman, Imran Pirwani</i>	
Stabilizing Causal Deterministic Merge	183
<i>Sandeep S. Kulkarni, Ravikant</i>	
Fast Self-Stabilizing Depth-First Token Circulation	200
<i>Franck Petit</i>	
On a Space-Optimal Distributed Traversal Algorithm	216
<i>Sébastien Tixeuil</i>	
Author Index	229

Self-Stabilizing Systems

5th International Workshop, WSS 2001, Lisbon,
Portugal, October 1-2, 2001 Proceedings

Datta, A.K.; Herman, T. (Eds.)

2001, VIII, 236 p., Softcover

ISBN: 978-3-540-42653-0