## **Table of Contents**

On The Synthesis of Adaptive Parameter-Dependent Output Feedback Controllers Through LMI-Based Optimization <i>Graziano Chesi</i>	1
Multi-Layered Design and Game-Based Learning as a Pedagogical Concept Johan Hartler and Linn Gustavsson Christiernin	3
A Model for Experience-Based Agent Specific Trust Mats Neovius	10
Adaptive Spatio-Temporal White Space Sensing in Multiple Antenna Chang-Jun Ahn	16
Autonomic Cooperation Strategies for Robot Swarms Catherine Saunders, Roy Sterritt, and George Wilkie	20
Autonomic Self-Adaptive Robot Wheel Alignment Martin Doran, Roy Sterritt, and George Wilkie	27
Adaptive Construction Behavior in Robot Swarms Yara Khaluf	34
Adaptive Embedded Control for a Ball and Plate System Jun Xiao and Giorgio Buttazzo	40
The Challenge of Transforming State in the Adaptation Objects Dominic Seiffert	46
Ontology-based Automatic Adaptation of Component Interfaces in Dynamic Adaptive Systems Yong Wang, Dirk Herrling, Peter Stroganov, and Andreas Rausch	51
Hints to Address Concurrency in Self-Managed Systems at the Architectural Level - A Case Study Francesco Mazzei and Claudia Raibulet	59