Table of Contents

Policy Specification and Analysis

Author Obliged to Submit Paper before 4 July: Policies in an Enterprise Specification ............................................................ 1
  James Cole, John Derrick, Zoran Milosevic, Kerry Raymond

The Ponder Policy Specification Language ................................. 18
  Nicodemos Damianou, Naran Ke Dulay, Emil Lupu, Morris Sloman

IPSec/VPN Security Policy: Correctness, Conflict Detection, and Resolution ................................................................. 39
  Zhi Fu, S. Felix Wu, He Huang, Kung Loh, Fengmin Gong, Ilia Baldine, Chong Xu

Monitors for History-Based Policies ........................................... 57
  Jan Chomicki, Jorge Lobo

RBAC and Security Policy

A Type/Domain Security Policy for Internet Transmission, Sharing, and Archiving of Medical and Biological Data ............................ 73
  Roberto Viviani

Tower: A Language for Role Based Access Control ....................... 88
  Michael Hitchens, Vijay Varadharajan

Translating Role-Based Access Control Policy within Context .......... 107
  Jean Bacon, Michael Lloyd, Ken Moody

Model-Based Tool-Assistance for Packet-Filter Design ................. 120
  Ingo Lück, Christian Schäfer, Heiko Krumm

Network Policy Realization

Policy Based SLA Management in Enterprise Networks .................. 137
  Dinesh Verma, Mandis Beigi, Raymond Jennings

Integrating Goal Specification in Policy Based Management ............ 153
  Mark Bearden, Sachin Gary, Wo-ji-yh Lee

Taxonomy and Description of Policy Combination Methods .............. 171
  Yasusi Kanada
Table of Contents

Issues in Managing Soft QoS Requirements in Distributed Systems Using a Policy-Based Framework ................................................. 185
   Hanan Lutfiyya, Gary Molenkamp, Michael Katchabaw, Michael Bauer

Perspectives on Policy Architectures

A Policy Based Management Architecture for Large Scale Active Communication Systems ................................................. 202
   Ian W. Marshall, Paul Mckee

Policy-Driven Management of Agent Systems ............................................. 214
   Antonio Corradi, Naranker Dulay, Rebecca Montanari,
   Cesare Stefanelli

On Policy-Based Extensible Hierarchical Network Management in QoS-Enabled IP Networks ................................................ 230
   Paris Flegkas, Panos Trimintzios, George Pavlou, Ilias Adrikopoulos,
   Carlos F. Calvacanti

Towards Extensible Policy Enforcement Points ....................................... 247
   Raouf Boutaba, Andreas Polyrakis

Author Index .................................................................................. 263