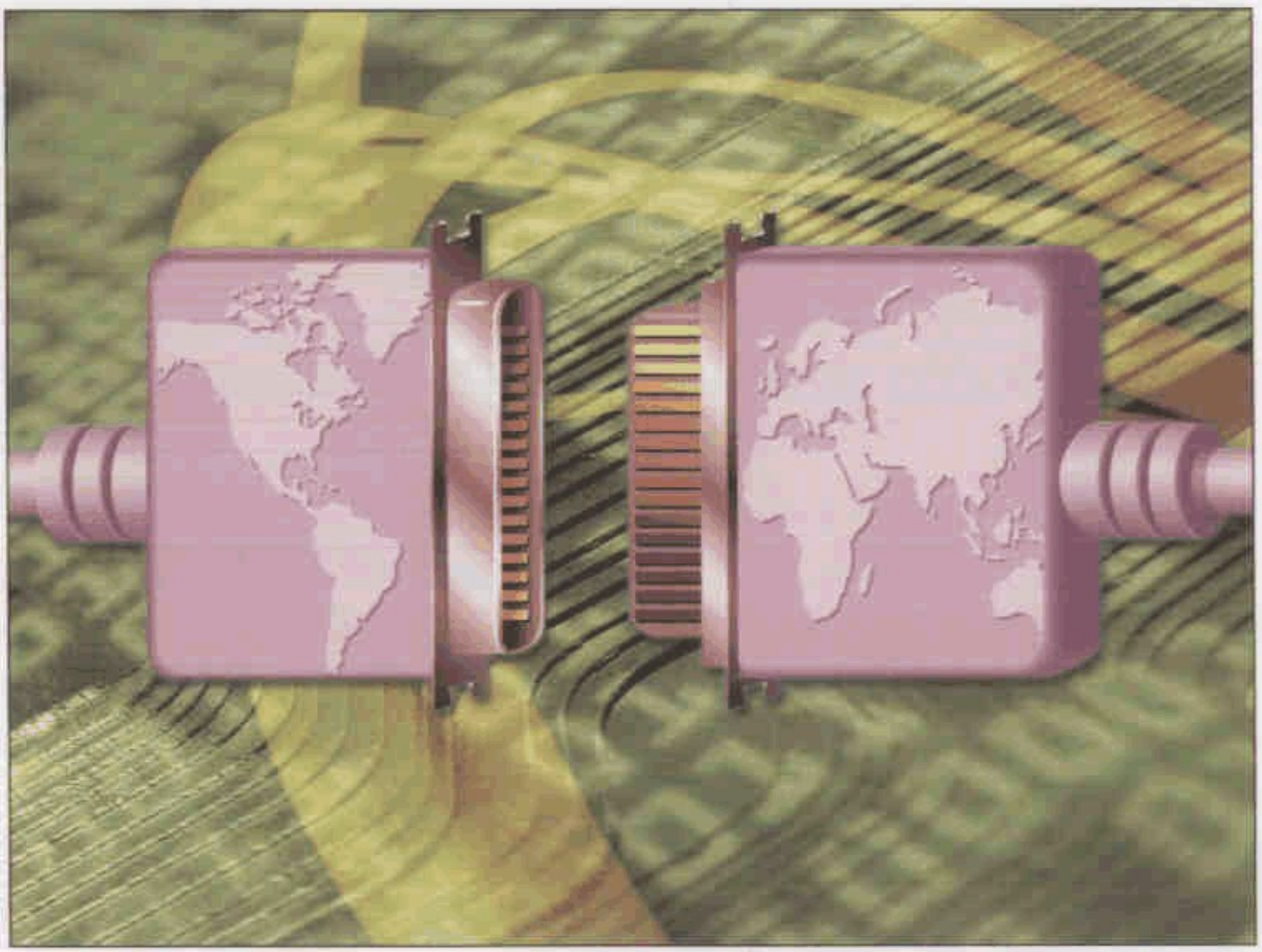
ENCYCLOPEDIA OF

NETWORKED AND VIRTUAL ORGANIZATIONS



GORAN D. PUTNIK AND MARIA MANUELA CUNHA

VOLUME I
A-F

Contents
by Volume

Volume I

Agent-Based Approach to Designing VO, An / *Narjès Bellamine-Ben Saoud* 1

Agent-Based Network Infrastructure for E-Communities / *M. Mari, A. Poggi, and M. Tomaiuolo* 10

Agent-Facilitated Virtual Marketplace for Airline Ticketing / *Sheng-Uei Guan* 19

Agile and Virtual University / *Maria Manuela Cunha, Goran D. Putnik, and Eva Miranda* 26

Agile Holonic Network Organizations / *Paul T. Kidd* 35

Ambiguity and Group Consensus /
Morgan M. Shepherd, Ben Martz, and Vijay Raghavan 43

Analysis, Valuation, and Disclosure of Intangible Value / *Natália Canadas* 51

Basic Concepts of Wireless Sensor Networks / *Lina M. Pestana Leão de Brito and Laura M. Rodríguez Peralta* 57

Better Interoperability in Smart Organizations / *Ricardo Jardim-Goncalves, Maria Jose Nunez, Amparo Roca-Togores, and A. Steiger-Garcao* 65

BM_VE Architecture Reference Model for Concurrent Engineering / *Antonio José Caulliraux Pithon and Goran D. Putnik* 74

Broker's Direct Cost and Time Variables and Expressions / *Paulo Silva Ávila, Goran D. Putnik, Maria Manuela Cunha and Ana Madureira* 82

Building Trust in Globally Distributed Teams / *Julia Kotlarsky, Ilan Oshri, and Paul C. van Fenema* 92

Bumerang / *António José Videira Tavares* 100

Business Ecosystem / *Erik den Hartigh and Michiel Tol* 106

Business Process Modification Management / *Benjamin Urh, Tomaž Kern and Matjaž Roblek* 112

Business-to-Business Networks / *Sean Eom* 121

Campus as a Framework for a Networked University / *Josep Cobarsí Morales* 129

Capacity Building in SME Tourism Networks / *Patrice Braun and Mary Hollick* 136

Case Study in the Role of Trust in Web Service Securities, A / *Pauline Ratnasingam* 142

Case Study on Inter-Organizational Systems and Power, A / *Albert Boonstra* 153

Challenges of VO Inheritance / *Iris Karvonen and Martin Ollus* 161

Characterization and Classification of Collaborative Tools / *Javier Soriano, Rafael Fernández, and Miguel Jiménez* 167

Characterization and Classification of Cross-Organizational Business Processes / *Dirk Werth* 175

Characterizing E-Learning Networked Environments / *Samuel Pierre* 181

Children with Special Needs as a Virtual Community / *Tas Adam and Arthur Tatnall* 187

Classes of Collaborative Networks / *Luis M. Camarinha-Matos and Hamideh Afsarmanesh* 193

Clustering Analysis of Networked Organizations / *I. Hakki Eraslan, Melih Bulu, and Metin Turkay* 199

Collaboration Based on Web Services / *Giorgio Bruno and Marcello La Rosa* 209

Collaborative Alliance for the Implementation of Computer Integrated Manufacturing in Small and Medium Enterprises / *H.B. Marri, A. Gunasekaran, Z. Irani, and Goran D. Putnik* 216

Collaborative Development Environments / *Javier Soriano, Genovea López, and Rafael Fernández* 225

Collaborative Development within Open Source Communities / *Javier Soriano, Sonia Frutos, and Miguel Jiménez* 232

Collaborative Networks and Virtual Support Enterprises / *Jayantha P. Liyanage and Mike Herbert* 237

Collaborative Performance Measurement / *Thomas Matheis, Björn Simon, and Dirk Werth* 244

Collaborative Techniques in Customer's Involvement / *Marina Rodriques Brochado and Antonio Jose Caulliraux Pithon* 252

Collaborative Work Training in Higher Education / *María Dolores Olvera-Lobo, Rosa María Castro-Prieto, Enrique Quero-Gervilla, Ricardo Muñoz-Martín, Eva Muñoz-Raya, Miguel Murillo-Melero, Bryan Robinson, and José Antonio Senso-Ruiz* 261

Collaborative Working in an ISP Environment / *Sathya Rao, Eric Mannie-Corbisier, and Leszek Siwik* 269

Collective Intelligence / *Paulo Garrido and Wilfried Lemahieu* 280

Comparing ZigBee, Bluetooth, UWB, and Wi-Fi / *Gonçalo Nuno Sol Teixeira, Laura Margarita, and Rodriguez Peralta* 288

Competency Concept in VO Breeding Environments / *Nathalie Galeano, Ekaterina Ermilova, Jorge Giraldo, Hamideh Afsarmanesh, and Arturo Molina* 297

Computer Networking of Cybercafés in Delta State, Nigeria / *Oghenevwogaga Benson Adogbeji and Esharenana E. Adomi* 305

Concept of Collaboration / *Luis M. Camarinha-Matos and Hamideh Afsarmanesh* 311

Concepts, Issues, and Challenges of Virtual Universities / *Yukiko Inoue* 316

Constructing Virtual Libraries / *Maria da Conceição Carvalho Maltez and Antonio Moreira* 323

Context-Awareness in Pervasive Environments / *Frederico Moreira Bublitz, Emerson Loureiro, Hyggo Almeida, Evandro Costa, and Angelo Perkusich* 331

Conversational Pragmatics and Learning in Virtual Organizations / *Rocci Luppicini* 337

Cooperative Interaction in Virtual Education / *Ángel García del Dujo and Cristóbal Nico Suárez Guerrero* 346

Costs, Benefits, and Risks of E-Government Portals / *Rostislav Markov and Shota Okujava* 354

Critical Success Factors and Core Competencies / *Helena Santos Rodrigues and Pedro Figueroa Dorrego* 364

Cross-Cultural Learning Objects (XCLOs) / *Andrea L. Edmundson* 369

Customizing Multimedia and Collaborative Virtual Environments / *Paulo N.M. Sampaio, Ildeberto A. Rodello, Laura M. Rodríguez Peralta, and Paulo Alexandre Bressan* 377

Cybercells for Virtual Teaching and Learning / *Ken Stevens* 385

Design and the Virtual Organization / *Paula Rodrigues* 391

Designing Contracts for Business Networks / *Peter Rittgen* 395

Developing B2B Virtual Enterprises / *Ghazi Alkhatib and Zakaria Maamar* 402

Development of a University Networking Project / *J. A. R. Pacheco de Carvalho, P. A. J. Gomes, H. Veiga, and A. D. Reis* 409

Dialectical Discourse Management through Online Collaboration / *Katia Passerini* 423

Digital Divide in Education in the Knowledge Society, The / *Almudena Moreno Mínguez and Enrique Crespo Ballesteros* 430

Discovery and Exsistence of Communities in the World Wide Web / *Antonis Sidiropoulos, Dimitrios Katsaros, and Yannis Manolopoulos* 436

Distributed Work Arrangements Supporting Organizational Needs / *Kathy O. Roper and Jun Ha Kim* 443

e-Cat for Partner Profiling and Competency Management Tool / *Jiří Hodík, Jiří Vokřínek, and Petr Bečvář* 452

Economic Development Alliances / *Fred Young Phillips* 459

E-Learning Tool for Regional Development / *Maria Teresa de Noronha Vaz, Sílvia Brito Fernandes, and Eric de Noronha Vaz* 467

E-Markets as Meta-Enterprise Information Systems / *Martin Grieger, Evi Hartmann, and Herbert Kotzab* 475

Enterprise Cost/Benefit Risk Analysis Using FMEA / *Ian McKeachie and Ljubo Vlacic* 484

Environmental Sciences and Distance Education / *Cristina Carapeto* 492

Environments for VE Integration / *Maria Manuela Cunha and Goran D. Putnik* 499

E-Portfolio and Pedagogical Change for Virtual Universities / *Kam Hou Vat* 508

E-Portfolios in Teacher Education / *Kevin Marshall* 516

European Virtual Enterprise on Collaborative Data Mining and Decision Support, A / *Dunja Mladenić and Nada Lavrač* 524

Evaluating Organisational Readiness for Virtual Collaboration / *Peter Gall and Janice Burn* 530

Evaluating Processes and Performance in Virtual Teams / *Ying-Chieh Liu, Janice M. Burn, and Susan Stoney* 538

Evaluating Virtual Organisational Preparedness / *Peter Gall and Janice Burn* 550

Evolution of Virtual Universities / *Marion Cottingham* 558

Exploratory Analysis of the Role of Emotions in E-Learning, An / *M. A. Rentroia-Bonito, J. A. Jorge, and C. Ghaoui* 563

Exploring Environmental Factors in Virtual Teams / *Teresa Torres-Coronas* 572

Extended Enterprise Integration vs. Market B2B Integration / *Frank G. Goethals, Wilfried Lemahieu, Monique Snoeck, and Jacques Vandenbulcke* 578

Extent of Network Effects and Social Interaction Effects / *Erik den Hartigh* 587

ExtraPlanT as a Multi-Agent System for Extra-Enterprise Collaboration / *Jiří Vokřínek, Jiří Hodík, Michal Pěchouček, Petr Bečvář, and Jiří Pospíšil* 593

Fair Distribution of Collaboration Benefits / *António Abreu and Luis M. Canarinha-Mato* 601

Fine-Grained Data Security in Virtual Organizations / *Harith Indraratne* 608

Formal Modeling and Verification of Virtual Community Systems / *Elthon Oliveira, Hyggo Almeida, Leandro Silva, Nadia Milena, Frederico Bublitz, and Angelo Perkusich* 614

Fuzzy Multi-Agent System for Combinatorial Optimization, A / *Carlos Cruz Corona, Juan R. González, Alejandro Sancho Royo, and David Pelta* 622

Volume II

Galois Lattice Quantum Model for NVOs / *W.F. Lawless, Laurent Chaudron, and C.P. Abubucker* 629

Geography of the Information Society / *Jorge Ricardo Costa Ferreira* 635

Grid Computing for Social Science / *Kenneth J. Turner, Paul Lambert, K. L. Tan, Vernon Gayle, Richard O. Sinnott, Ken Prandy, Erik Bihagen, and Marco H. D. van Leeuwen* 643

Guidelines for Deploying a Knowledge Management System / *J. Ares, A. Rodríguez-Patón, and S. Suárez* 652

Historical Perspective of Web Engineering, A / *Guangzhi Zheng* 660

Human Factors for Networked and Virtual Organizations / *Vincent E. Lasnik* 668

Human-Integrated Assist Systems for Intelligence Operators / *Hirohisa Sakai and Kakuro Amasaka* 678

Improving Customer Relations through E-Commerce / *Alexander O. Rodriguez, Dorothy G. Dologite, Robert J. Mockler, and Marc E. Gartenfeld* 688

Improving User Satisfaction in VO through Systems Usability / *Dulce Magalhães de Sá* 694

Industrial Web Portal for Remonte Supervisory Control / *Lenka Landryová and Iveta Zolotová* 700

Industry and Academia Networks / *Fernando Romero* 708

Information Disasters in Networked Organizations / *Josep Cobarsí Morales* 717

Innovative Production Machines and Systems Network of Excellence / *D. T. Pham, E. E. Eldukhri, A. Soroka, V. Zlatanov, M. S. Packianather, R. Setchi, P. T. N. Pham, A. Thomas, and Y. Dadam* 725

Integration and Information Sharing in E-Government / *Asli Yagmur Akbulut and Jaideep Motwani* 729

Interaction in Corporative Learning / *Helder Fanha Martins and Maria João Ferro* 735

ISSAAC Model of Virtual Organization, The / *Bob Travica* 745

Key Concepts and Definitions of Open Source Communities / *Ruben van Wendel de Joode and Sebastian Spaeth* 753

Key Concepts and Protocols in E-Voting / *Rui F. L. Joaquim* 761

Knowledge Blogs in Firm Internal Use / *Miia Kosonen, Kaisa Henttonen, and Kirsimarja Blomqvist* 769

Knowledge Communities and Inter Organizational Networks / *Dora Simões and António Lucas Soares* 777

Knowledge Transfer in G2G Endeavors / *Luiz Antonio Joia* 783

Knowledge Transfer and Sharing in Globally Distributed Teams / *Ilan Oshri, Julia Kotlarsky, and Paul C. van Fenema* 789

Knowledge-Based E-Learning in Virtual Enterprises / *Ana C. Andrés del Valle* 795

Learning Object Evaluation / *Erla M. Morales, Francisco J. García, and Ángela Barrón* 800

Learning Reflection and Creativity in Online Game Communities / *Tunç D. Medeni, Mark Elwell, Steven A. Cook, and Euler G. M. de Souza* 808

Living Labs Approach to a Virtual Lab Environment, The / *Miguel Ponce de Leon, Karl A. Hribernik, and Mats Eriksson* 818

Local Networks in Global Markets / *Iva Miranda Pires* 822

Localization, Culture and Global Communication / *Gerhard Chroust* 829

Logistic Models for Symbiosis, Predator-Prey and Competition / *Ricardo Lopez-Ruiz and Danièle Fournier-Prunaret* 838

Long-Term Contracts in the Cellular Phone Industry / *Donald Barnes and John Kirk Ring* 848

Management of a Virtual Construction Management Services Company / *Wafa Alsakini, Juhani Kiiras, and Pekka Huovinen* 856

Management of Distributed Project Teams in Networks / *Paul C. van Fenema, Ilan Oshri, and Julia Kotlarsky* 867

Managerial Perspective of Mobile VoIP, A / *Mahesh S. Raisinghani* 874

Managing the Dynamic Reconfiguration of Enterprises / *Ben Clegg and Mario Binder* 882

Market of Resources: A Cost and Effort Model / *Maria Manuela Cunha and Goran D. Putnik* 891

Market of Resources: Opportunities Domain / *Maria Manuela Cunha and Goran D. Putnik* 899

Market of Resources: Supporting Technologies / *Maria Manuela Cunha, Goran D. Putnik and Joaquim P. Silva* 906

Market of Resources for Healthcare Teleservices Management / *Maria Manuela Cunha, Goran D. Putnik, and Ricardo Simões* 913

Market of Resources for Virtual Enterprise Integration / *Maria Manuela Cunha, Goran D. Putnik, and Paulo Silva Ávila* 918

Measures of Network Structure / *Ani Calinescu and Janet Efstathiou* 926

Meta-Analysis Research on Virtual Team Performance / *Ying-Chieh Liu, Janice M. Burn, and Susan Stoney* 933

Mobile Virtual Communities / *Glauber Ferreira, Hyggo Almeida, Angelo Perkusich, and Evandro Costa* 944

Mobile Virtual Communities of Commuters / *Jalal Kawash, Christo El Morr, Hamza Taha, and Wissam Charaf* 950

Morphology and Entropy in Networks / *Ton van Asseldonk, Erik den Hartigh, and Leon Berger* 957

Multi-Criteria Partner Selection in Virtual Organizations / *Toni Jarimo, Peter Ljubič, Jiří Hodík, Iiro Salkari, Marko Bohanec, and Nada Lavrač* 964

Mutual Value in Business Relationships / *Rita de Cássia de Faria Pereira, Carlo Gabriel Porto Bellini, and Fernando Bins Luce* 971

Nature-Inspired Cooperative Strategies for Optimization / *Juan R. González, Alejandro Sancho-Royo, David A. Pelta, and Carlos Cruz* 982

Navigation at the Internet Front Line / *Nurun Nahar, Tunç D. Medeni, and Saber Zrelli* 990

Negotiation Support Systems and Teams in VO / *Xiaojia Guo and John Lim* 1001

Network Effects / *Erik den Hartigh* 1007

Network Effects and Market Outcomes / *Erik den Hartigh* 1014

Network of Excellence as Virtual Communities / *Anca Draghici, Nada Matta, Gila Molcho, and George Draghici* 1022

Network of Intelligent Agents / *Germano Resconi* 1031

Networked Memex Based on Personal Digital Library / *Sheng-Uei Guan and Xiaobiao Zhang* 1044

Networking and Corruption / *Aleš Pachmann and Jaroslav Dvorak* 1052

Networks and Industrial Clusters / *Filipa Vieira and Fernando Romero* 1058

New Computer Network Paradigms and Virtual Organizations / *Guillermo Agustín Ibáñez Fernández* 1066

New Perspective for Network Innovation, A / *Cristina S. Rodrigues, Edite M.G.P. Fernandes, and F. Vitorino Martins* 1074

New Process of Work, The / *Maria do Rosário Alves de Almeida* 1080

New Way of Conjoint Added Value Generation in Collaborative Business Processes, A / *Dirk Werth* 1087

NGO Forum, The / *Nurun Nahar, Tunç D. Medeni, and Tolga Medeni* 1093

Older People, the Internet, and Virtual Communities / *Jerzy Lepa and Arthur Tatnall* 1102

Online Communication and Social Engagement / *Jason D. Baker and Robert H. Woods* 1108

Online Corporate Collaborative Teams / *Helder Fanha Martins and Maria João Ferro* 1112

Online Tutoring and Mentoring / *Antonio Miguel Seoane Pardo and Francisco José García* 1120

Ontologies for Collaborative Networked Organizations / *Joël Plisson, Peter Ljubič, Igor Mozetič, and Nada Lavrač* 1128

Ontology and Expertise Map Building in Virtual Organizations / *Gila Molcho, Anca Draghici, and Nada Matta* 1136

Open University of Catalonia as a Virtual University, The / *Josep Cobarsí Morales* 1145

Optimizing Paths with Random Parameter Distributions / *D. M. L. D. Rasteiro* 1151

Outsourcing and Strategic Outsourcing / *Sonia Dahab and Filipe Amaral* 1164

Pair Modeling / *Pankaj Kamthan* 1171

Participatory Geographic Information Systems / *Dulce Magalhães de Sá and Ana Cristina M. Costa* 1179

Peer-to-Peer Methods for Operating System Security / *Zoltán Czirkos and Gábor Hosszú* 1185

Perception of VO Reliability / *Jerzy Kisielnicki and Tomasz Ochinowski* 1192

Performance Analysis and Models of Web Traffic / *Federico Montesino Pouzols, Angel Barriga Barros, Diego R. Lopez, and Santiago Sánchez-Solano* 1196

Performance Analysis of Multimedia Traffic / *Federico Montesino Pouzols, Diego R. Lopez, Angel Barriga Barros, and Santiago Sánchez-Solano* 1204

Performance Analysis of Peer-to-Peer Traffic / *Federico Montesino Pouzols, Angel Barriga Barros, Diego R. Lopez, and Santiago Sánchez-Solano* 1210

Performance Measurement of Computer Networks / *Federico Montesino Pouzols, Angel Barriga Barros, Diego R. Lopez, and Santiago Sánchez-Solano* 1216

Pervasive and Grid Computing Merging / *Loreno Oliveira, Emerson Loureiro, Hyggo Almeida, and Angelo Perkusich* 1223

PMA Supplier Selection Using the Mahalanobis Taguchi System / *T.T. Wong* 1230

Post-Modern Tribes as a Marketing Tool / *Laura A. Ripamonti and Armando Cirrincione* 1238

Pricing Quality of Service in Diffserv IP Networks / *Vladanka S. Acimovic-Raspopovic and Mirjana D. Stojanovic* 1245

Problem with People and Information Security, The / *Alexandre Cerveira, Leonilde Reis, and José Gaivéo* 1252

Process Management Methodology / *Paula Ventura Martins and Alberto Rodrigues da Silva* 1259

Process of Innovation in Beira Interior / *Maria Manuela Santos Natário and Paulo Alexandre Neto* 1266

Project Management in Innovation Networks / *Adam Melski, Jan Borchert, and Svenja Hagenhoff* 1276

ProPlanT as a Multi-Agent Technology for Decision Making Support / *Vladimír Mařík, Michal Pěchouček, and Jiří Vokřínek* 1287

Volume III

Public Grid Computing Projects Survey and Analysis / *Nolan J. Taylor* 1295

Public Private Networks / *Oliver Bohl, Ruth Schaefer, and Udo Winand* 1300

Purchasing as an Integrated Competence / *Cristina S. Rodrigues, Edite M.G.P. Fernandes, and F. Vitorino Martins* 1309

QoS Provisioning Framework in IP-Based VPN / *Mirjana D. Stojanovic and Vladanka S. Acimovic-Raspopovic* 1317

Quality Learning Objective in Instructional Design / *Erla M. Morales, Francisco J. García, and Ángela Barrón* 1325

Quality of Service Issue in Virtual Enviroments, The / *Pedro Morillo, Juan Manuel Orduña, and Marcos Fernandez* 1333

Quantum Real-Time Metric for NVOs, A / *W.F. Lawless, C.R. Howard, and Nicole N. Kriegel* 1341

Reconfiguration of Communities in Cyberspace / *SungBok Park and Ha Sung Hwang* 1349

Reflective Ba and Refractive Ma in Cross-Cultural Learning / *Tunç D. Medeni, Shunji Iwatsuki, and Steven A. Cook* 1357

Relatonics as a Key Concept For Networked Organizations / *Tomas Backström and Marianne Döös* 1367

Reviewing the Actor-Network Theory / *José Figueiredo* 1375

Revision of the Bullwhip Effect / *David de la Fuente* 1381

Risk Management in Enterprise Networking / *Iris Karvonen* 1388

RSS in Virtual Organizations / *Tom Chan* 1393

Scales and Dynamics in Outsourcing / *Iva Miranda Pires and Torunn Kvinge* 1399

Secure Collaborative Learning Practices and Mobile Technology / *Hannakaisa Isomäki, Kirsi Päykkönen, and Hanna Räisänen* 1407

Self-Modelling Knowledge Networks / *Volker Derballa and Atonia Albani* 1413

Semantic E-Business Challenges and Directions / *Giorgos Laskaridis, Konstantinos Markellos, Penelope Markellou, Angeliki Panayiotaki, and Athanasios Tsakalidis* 1421

Service-Oriented Architectures and ESB in VE Integration / *Nicolaos Protogeros* 1429

Service-Oriented Architecture for Business Process Management / *Katrina Leyking and Jörg Ziemann* 1437

Sharing Knowledge in Virtual Communities / *Iris Reychav and Jacob Weisberg* 1446

Social Interaction Effects / *Erik den Hartigh* 1454

Social Knowledge in Multi-Agent Systems / *Vladimír Mařík and Michal Pěchouček* 1459

Social Network Analysis for Investigating Large Scientific Research Project / *Kun Nie, Euler G. M. de Souza, and Tunç D. Medeni* 1466

Social Network Analysis for Virtual Communities / *Francisco Ignacio Revuelta Dominguez* 1473

Social Networks through an Entrepreneurial Mindset / *Euler G. M. de Souza, Tunç D. Medeni, and Kun Nie* 1477

Socio-Semantic Web for Sharing Knowledge / *Cristian Peraboni and Laura A. Ripamonti* 1482

Software Agents and Contracts / *Francisco Andrade, Paulo Novais, and José Neves* 1489

Software Quality in Open Source Software Ecosystems / *Pankaj Kamthan* 1496

Spatial Autocorrelation and Association Measures / *J. Negreiros, M. Painho, I. Lopes, and A.C. Costa* 1502

Strategic Decision Making in Global Supply Networks / *Ozlem Arisoy and Bopaya Bidanda* 1509

Strategic QCD Studies with Affiliated and Non-Affiliated Suppliers Utilizing New JIT / *Kakuro Amasaka* 1516

Strategies for Virtual Organizations / *Juha Kettunen* 1528

Strategies for Virtual Work / *Paul Jackson and Jane E. Klobas* 1535

Structure Analysis of Keiretsu of Toyota, A / *Takao Ito, Katia Passerini and Makoto Sakamoto* 1542

Student Teacher Collaborative Community, A / *Eugenia M. W. Ng* 1549

Sense of Virtual Community / *Hanna-Kaisa Ellonen, Miia Kosonen, and Kaisa Henttonen* 1559

Supply Chain Integration in the Construction Industry / *José Telhada, Tiago Pinho, and Maria Sameiro Carvalho* 1567

Survey of Link Analysis Ranking, A / *Antonis Sidiropoulos, Dimitrios Katsaros, and Yannis Manolopoulos* 1573

Surveying Trust in Virtual Organizations / *István Mezgár* 1579

Synchronous and Asynchronous Communication Systems / *António D. Reis, José F. Rocha, Atilio S. Gameiro, and José P. Carvalho* 1587

Synchronous Collaboration and Instruction / *Helder Fanha Martins* 1597

Taxonomy of Broker's Functions in Virtual Enterprises / *Paulo Silva Ávila, Goran D. Putnik, Maria Manuela Cunha, and António Pires* 1605

Technology Change and Online Community Development / *Mark Elwell and Tunç D. Medeni* 1614

Technology in Distance Learning / *Fernando da Cruz Bandeira* 1622

Telework and Data Privacy and Security / *Reima Suomi* 1631

Thematic Based Group Communication / *Raymond Pardede, Gábor Hosszú, and Ferenc Kovács* 1636

Tools for Collaborative Business Process Modeling / *Paz Pérez González and Jose M Framinan* 1643

Tourism Networks and Clusters / *Patrice Braun* 1653

Training Techniques for Developing Trust in Virtual Teams / *Peggy M. Beranek, Ben Martz, and Monique French* 1659

Training to Improve Trust in Virtual Teams / *Monique French and Peggy M. Beranek* 1667

Trends and Future Directions of Net-Enabled Connectivity / *Indushobha Chengalur-Smith and Peter Duchessi* 1675

Trust and its Impersonal Nature / *Miia Kosonen, Kirsimarja Blomqvist, and Riikka Ellonen* 1683

Trust in Networks and Clusters / *Patrice Braun* 1691

Trust in Virtual Communities / *Luis V. Casaló, Carlos Flavián, and Miguel Guinalíu* 1697

Understanding and Using Boundaries in NVOs / *Haigang Song, Tunç D. Medeni, Euler G. M. de Souza, and Kun Nie* 1705

Understanding the Virtual Community of Gamers / *Shafiz Affendi Mohd Yusof* 1714

Using Annotations for Information Sharing in a Networked Community / *Muhammad Asim Qayyum* 1722

Using Telework and E-Work as Flexible Working Alternatives / *Flávio Nunes* 1730

Using View Process Models in Collaborative Business Processes / *Jörg Ziemann, Timo Kahl, and Dirk Werth* 1735

Value Creation Process in Networked Organizations, The / *Jorge Luís Pedreira Murteira Marques Casas Novas* 1743

Via Nova Academy / *J.P.T. Thijssen* 1750

Virtual Community and Online Game Players / *Jengchung V. Chen and Yu-Hsiang Wang* 1757

Virtual Community for Mobile Agents, A / *Sheng-Uei Guan and Fangming Zhu* 1764

Virtual Community of Learning Object Repository / *Lee Gilliean* 1772

Virtual Enterprise Environments for Scientific Experiments / *Andrea Bosin, Nicoletta Dessì, Maria Grazia Fugini, Diego Liberati, and Barbara Pes* 1779

Virtual Informatics Museum / *José Maria Fernandes de Almeida* 1785

Virtual Knowledge-Building Communities / *Sheizaf Rafaeli, Tsahi Hayat, and Yaron Ariel* 1792

Virtual Laboratory of Mathematics Education, A / *Pedro Palhares and Alexandra Gomes* 1797

Virtual Logistics from Outsourcing Logistics / *Vladimír Modrák* 1805

Virtual Modeling and Prototyping in Collaborative Product Design / *Ricardo Simões* 1812

Virtual Organizations in Commercial Games / *Michael Barlow* 1819

Virtual Organizations Management / *Kim Jansson, Iris Karvonen, Martin Ollus, Iiro Salkari, Ugo Negretto, Alexandra Klen, and Paolo Paganelli* 1827

Virtual Repository Development in Canada / *Rocci Luppicini* 1834

Virtuality Among Construction Management Services Companies / *Wafa Alsakini, Juhani Kiiras, and Pekka Huovinen* 1843

VO as an Alternative to Hierarchy in the Dutch Police Sector / *Peter Groenewegen and Pieter Wagenaar* 1851

VO Breeding Environments Value System and Metrics / *David Romero, Nathalie Galeano, and Arturo Molina* 1858

Web-Based Business Reporting in Virtual Enterprises / *Raif Parlakkaya, Adem Öğüt, and M. Tahir Demirsel* 1864

Web-Based English Writing Courses for Graduate Students / *Hsien-Chin Liou, Chih-Hua Kuo, Jason S. Chang, Hao-Jan Chen, and Ching-Fen Chang* 1871

XBRL in Business Reporting / *Margarida Silva Martins and Lúcia Lima Rodrigues* 1879