

# Contents

Adaptive Multi-Agent Environment, An / <i>Rejane Pinheiro and Elizabeth Furtado</i> .....	1
Aspects and Issues of Communities of (Mal)practice / <i>Jon Pemberton and Brenda Stalker</i> .....	6
Boundaries in Communities / <i>José Córdoba</i> .....	12
Building a Dynamic Model of Community Knowledge Sharing / <i>Geoffrey A. Walker</i> .....	14
Classification of Communities of Practice, A / <i>Norm Archer</i> .....	21
Collective Learning within CoPs / <i>P.A.C. Smith</i> .....	30
Communities and Evaluation of E-Government Services / <i>José Córdoba</i> .....	32
Communities of Implementation / <i>Duncan Shaw, Brad Baker, and John S. Edwards</i> .....	35
Communities of Learners in Paleography and ICT / <i>Antonio Cartelli</i> .....	43
Communities of Practice and Critical Social Theory / <i>Steve Clarke</i> .....	49
Communities of Practice and Organizational Development for Ethics and Values / <i>Jim Grieves</i> .....	55
Communities of Practice and other Organizational Groups / <i>Eli Hustad and Bjørn Erik Munkvold</i> .....	60
Communities of Practice and Technology Support / <i>Elayne Coakes</i> .....	63
Communities of Practice and the Development of Best Practices / <i>Miles G. Nicholls</i> .....	66
Communities of Practice as Facilitators of Knowledge Exchange / <i>Scott Paquette</i> .....	68
Communities of Practice for Organisational Learning / <i>Andrew Wenn</i> .....	74
Community of Practice and the Special Language “Ground” / <i>Khurshid Ahmad and Rafif Al-Sayed</i> .....	77
Comparison of the Features of Some CoP Software, A / <i>Elayne Coakes</i> .....	89

**Table of Contents**

Concept of Communities of Practice, The / <i>Elayne Coakes and Steve Clarke</i> .....	92
Context Based Approach to Applying Virtual Reality / <i>Manumaya Uniyal and Ray Dawson</i> .....	97
Contribution of Communities of Practice to Project Management, The / <i>Gillian Ragsdell</i> .....	104
Creating the Entrepreneurial University / <i>Lorraine Warren</i> .....	108
Creating Value with Regional Communities of SMEs / <i>Cecily Mason, Tanya Castleman, and Craig Parker</i> .....	115
Critical Success Factors for the Successful Introduction of an Intellectual Capital Management System / <i>Brenda Elshaw</i> .....	124
Discovering Communities of Practice through Social Network Analysis / <i>Cindi Smatt and Molly McLure Wasko</i> .....	129
Discovering Implicit Knowledge from Data Warehouses / <i>M. Mehdi Owrang O.</i> .....	131
Distinguishing Work Groups, Virtual Teams, and Electronic Networks of Practice / <i>Molly McLure Wasko and Robin Teigland</i> .....	138
Document Management, Organizational Memory, and Mobile Environment / <i>Sari Mäkinen</i> .....	141
Economic Issues of Online Professional Communities / <i>Ettore Bolisani, Enrico Scarso, and Matteo Di Biagi</i> .....	148
Encouraging Research through Communities of Practice / <i>Sandra Corlett, Patricia Bryans, and Sharon Mavin</i> .....	157
Exploring the Role of Communities of Practice in Regional Innovation Systems / <i>Robin Teigland and Andrew Schenkel</i> .....	163
Exploring the Selection of Technology for Enabling Communities / <i>Keith Patrick, Andrew Cox, and Rahman Abdullah</i> .....	166
Facilitating and Improving Organisational Community Life / <i>Angela Lacerda Nobre</i> .....	177
Facilitating Technology Transfer Among Engineering Community Members / <i>Barry A. Cumbie, Chetan S. Sankar, and P.K. Raju</i> .....	185
Formal Work Groups and Communities of Practice / <i>Jie Yan and Dimitris Assimakopoulos</i> .....	194
Globalization Paradigm and Latin America's Digital Gap, The / <i>Heberto Ochoa-Morales</i> .....	198
Hybrid Knowledge Networks Supporting the Collaborative Multidisciplinary Research / <i>Stanislav Ranguelov and Arturo Rodríguez</i> .....	204

## **Table of Contents**

Identifying Knowledge Flows in Communities of Practice / <i>Oscar M. Rodríguez-Elias, Ana I. Martínez-García, Aurora Vizcaíno, Jesús Favela, and Mario Piattini</i> .....	210
Impact of Communities of Practice, The / <i>Katja Zboralski and Hans Georg Gemünden</i> .....	218
Information Security as a Community of Practice / <i>Paul Drake</i> .....	224
Integrating Knowledge, Performance, and Learning Systems / <i>Scott P. Schaffer and Ian Douglas</i> .....	226
International Knowledge Transfer as a Challenge for Communities of Practice / <i>Parissa Haghrian</i> .....	234
Inter-Organisational Knowledge Transfer Process Model / <i>Shizhong Chen, Yanqing Duan, and John S. Edwards</i> .....	239
IS Design for Community of Practice's Knowledge Challenge / <i>Kam Hou Vat</i> .....	246
IT Perspective on Supporting Communities of Practice, An / <i>Fefie Dotsika</i> .....	257
Knowledge Communities, Communities of Practice, and Knowledge Networks / <i>Tobias Mieller-Prothmann</i> .....	264
Knowledge Exchange in Networks of Practice / <i>Robin Teigland and Molly McLure Wasko</i> .....	272
Knowledge Extraction and Sharing in External Communities of Practice / <i>Ajumobi Udechukwu, Ken Barker, and Reda Alhajj</i> .....	278
Knowledge Management in Civil Infrastructure Systems / <i>Hyung Seok Jeong, Dolphy M. Abraham, and Dulcy M. Abraham</i> .....	286
Knowledge Management in Supply Chain Networks / <i>Dolphy M. Abraham and Linda Leon</i> .....	293
Knowledge Sharing through Communities of Practice in the Voluntary Sector / <i>Lizzie Bellarby and Graham Orange</i> .....	301
Knowledge Transfer within Interorganizational Networks / <i>Jennifer Lewis Priestley</i> .....	307
Leadership Issues in Communities of Practice / <i>Iwan von Wartburg and Thorsten Teichert</i> .....	317
Leadership Issues within a Community of Practice / <i>Barbara J. Cargill</i> .....	320
Life Cycle of Communities of Practice / <i>Deepa Ray</i> .....	323
Limits of Communities of Practice, The / <i>Chris Kimble and Paul Hildreth</i> .....	327
Linking Communities of Practice and Project Teams in the Construction Industry / <i>Gillian Ragsdell and Kaye Remington</i> .....	335
Linking Organisational Culture and Communities of Practice / <i>Anzela Huq, Jawwad Z. Raja, and Duska Rosenberg</i> .....	340

**Table of Contents**

Linking Small Business Networks with Innovation / <i>Patrice Braun</i> .....	346
Living Tradition of “Yaren Talks” as an Indigenous Community of Practice in Today’s Knowledge Society, The / <i>Tunç Medeni</i> .....	353
Managing Complexitiy via Communities of Practice / <i>Lai Ling Ng and Jon Pemberton</i> .....	357
Managing Intellectual Capital and Intellectual Property within Software Development Communities of Practice / <i>Andy Williamson, David M. Kennedy, Ruth DeSouza, and Carmel McNaught</i> .....	364
Market of Resources as a Knowledge Management Enabler in VE / <i>Maria Manuela Cunha and Goran D. Putnik</i> .....	375
Metaphors as Cognitive Devices in Communities of Practice / <i>Iwan von Wartburg</i> .....	386
Narrative Inquiry and Communities of Practice / <i>M. Gordon Hunter</i> .....	388
Networks of People as an Emerging Business Model / <i>Lesley Robinson</i> .....	390
Observed Patterns of Dysfunctional Collaboration in Virtual Teams / <i>Wing Lam, Alton Chua, and Cecelia Lee</i> .....	392
Open Collectivism and Knowledge Communities in Japan / <i>Hideo Yamazaki</i> .....	397
Organisational Change Elements of Establishing, Facilitating, and Supporting CoPs / <i>P.A.C. Smith</i> .....	400
Promoting Participation in Communities of Practice / <i>Carolyn W. Green and Tracy A. Hurley</i> .....	407
Psychoanalysis, Organisations, and Communities / <i>Angela Lacerda Nobre</i> .....	419
Psychologically Aware IT Workers / <i>Eugene Kaluzniacky</i> .....	430
Quality of Knowledge in Virtual Entities / <i>Cesar Analide, Paulo Novais, José Machado, and José Neves</i> .....	436
Reformation of Communities of Practice, The / <i>Aidan Pyke</i> .....	443
Role of Technology in Supporting Communities of Practice, The / <i>Alton Chua</i> .....	447
Role of Trust in Virtual and Co-Located Communities of Practice, The / <i>Jawwad Z. Raja, Anzela Huq, and Duska Rosenberg</i> .....	453
Shaping Social Structure in Virtual Communities of Practice / <i>Iwan von Wartburg, Thorsten Teichert, and Katja Rost</i> .....	459
Social Informatics Framework for Sustaining Virtual Communities of Practice, A / <i>Umar Ruhi</i> .....	466
Social Network Analysis and Communities of Practice / <i>Dimitris Assimakopoulos and Jie Yan</i> .....	474

**Table of Contents**

Social Philosophy, Communities, and the Epistemic Shifts / <i>Angela Lacerda Nobre</i> .....	481
Social Resistance in Virtual Communities / <i>Rahul De'</i> .....	487
Sociotechnical Theory and Communities of Practice / <i>Andrew Wenn</i> .....	494
Strategic Objectives of CoPs and Organizational Learning / <i>Diane-Gabrielle Tremblay</i> .....	497
Supporting Communities of Practice in the Electronic Commerce World / <i>Charlene A. Dykman</i> .....	502
Tacit Knowledge in Communities of Practice / <i>Michele Suzanne Zappavigna</i> .....	508
Tacit-Explicit and Specific-General Knowledge Interactions in CoPs / <i>Tunç Medeni</i> .....	514
Teamwork Issues in Virtual Teams / <i>Diane-Gabrielle Tremblay</i> .....	523
Team-Work Issues in Virtual Teams / <i>Barbara J. Cargill</i> .....	529
Technical Issues Facing Work Groups, Teams, and Knowledge Networks / <i>Lynda R. Louis</i> .....	532
Training and Articulating Public Agencies in Argentina / <i>Graciela Mónica Falivene and Ester Kaufman</i> .....	537
Transfer of Information and Knowledge in the Project Management / <i>Jerzy Kisielnicki</i> .....	544
Trust in Virtual Teams / <i>Christopher Lettl, Katja Zboralski, and Hans Georg Gemünden</i> .....	552
Understanding Communities of Practice to Support Collaborative Research / <i>José Córdoba and Wendy Robson</i> .....	558
Use and Methods of Social Network Analysis in Knowledge Management / <i>Tobias Müller-Prothmann</i> .....	565
Using Emerging Technologies for Effective Pedagogy in Management Education / <i>Sunil Hazari</i> .....	575
Virtual Role-Playing Communities, “Wold” and World / <i>Tunç Medeni and Tolga İ. Medeni</i> .....	580
Virtual Teaming / <i>Brenda Elshaw</i> .....	583
Virtual Teams and Communities of Practice / <i>M. Gordon Hunter</i> .....	587
What Organisational Development Theory Can Contribute to Our Understanding of Communities of Practice / <i>Jim Grieves</i> .....	589
Working and Learning in Interdisciplinary Project Communities / <i>Patrick S.W. Fong</i> .....	594