Table of Contents

Preface ................................................................................................................................................... xxiv

Volume I

Section 1
Fundamental Concepts and Theories

This section begins the discussion with information on copyright and licensing concerns, as well as some of the various uses of Open Source Technology. Open source is a fast-growing field, and like any new technology, ethics and law must catch up to the opportunities afforded by this innovation. Some of the intrinsic topics covered by this section include copyright, authorship, and intellectual property, along with the integration of digital repositories in research and education settings. In the opening 11 chapters of this extensive reference source, readers will obtain a clear understanding of the fundamental concepts and theories integral to the field of Open Source Technology.

Chapter 1
Software Licenses, Open Source Components, and Open Architectures .................................................. 1
Thomas A. Alspaugh, University of California Irvine, USA
Hazeline U. Asuncion, University of Washington Bothell, USA
Walt Scacchi, University of California Irvine, USA

Chapter 2
The Gatekeepers of Cyberspace: Surveillance, Control, and Internet Regulation in Brazil ...................... 23
Elisianne Campos de Melo Soares, Media and Journalism Investigation Centre, Portugal &
Brazilian Association of Cyberculture Researchers, Brazil

Chapter 3
“Memeration”: Exploring Academic Authorship in Online Spaces ............................................................ 41
Rob Simon, University of Toronto, Canada
Alisa Acosta, University of Toronto, Canada
Eveline Houtman, University of Toronto, Canada

Chapter 4
Where Do Mongolian Scholars Go? The Information Seeking Behavior within Mongolian Scholarly Communities .................................................................................................................. 57
Thomas Scheiding, Cardinal Stritch University, USA
Borchuluun Yadamsuren, University of Missouri, USA
Gantulga Lkhagva, Mongolian Libraries Consortium, Mongolia
Chapter 5
Open Source Approach to Contemporary Research: The Case of Geo-Information Technology

Dimitris Kavroudakis, University of the Aegean, Greece

Chapter 6
Towards a Conceptual Framework for Open Systems Developments

James A. Cowling, School of Systems and Enterprises, Stevens Institute of Technology, USA
Christopher V. Morgan, PA Consulting Group, UK
Robert Cloutier, School of Systems and Enterprises, Stevens Institute of Technology, USA

Chapter 7
Digital Repositories as Harbingers of Open Access in India: A Study

Shalini Wasan, Chandigarh College of Engineering and Technology, India
Rupak Chakravarty, Panjab University, India

Chapter 8
Open E-Resources in Libraries

Vesna Injac-Malbaša, National Library of Serbia, Serbia

Chapter 9
Emerging Trends in OAI-PMH Application

Nadim Akhtar Khan, University of Kashmir, India

Chapter 10
Law and Governance: The Genesis of the Commons

Danièle Bourcier, Centre d’Études et de Recherches de Sciences Administratives et Politiques (CERSA), France

Chapter 11
The Promise of Open Source Systems/Software in Developing Requisite E-Government Solutions for the Developing Countries: A Review of Literature

Adeyinka Tella, University of Ilorin, Nigeria
Adetayo O. Tella, University of Ibadan, Nigeria

Section 2
Utilization and Application

This section builds on the concepts introduced in Section 1 to explore in greater depth the primary functions and uses of Open Source Technology. There are many uses of open source systems already in daily operation, and many more applications and innovations of this technology are waiting to be discovered. Some fields making use of free or open systems include healthcare, government, library science, and education, to name a few. The 15 chapters in this section provide an in-depth examination of the utilization and application of the fundamental principles of Open Source Technology.

Chapter 12
Open Source Urban Governance: Crowdsourcing, Neogeography, VGI, and Citizen Science

Carlos Nunes Silva, University of Lisbon, Portugal
Chapter 13
Intellectual Property Rights, Innovation, and Knowledge Economy in Arab Countries ................. 227
  Nada Zouag, Al Akhawayn University, Morocco
  Molk Kadiri, Al Akhawayn University, Morocco

Chapter 14
Institutional Repositories Initiatives in India: A Study ................................................................. 254
  Neeraj Kumar Singh, Panjab University, India
  Jyoti Sharma, Panjab University, India
  Navneet Kaur, Central University of Himachal Pradesh, India

Chapter 15
A Case of Redeemer’s University Adoption of Institutional Repository Using the Principles of
Electronic Information Management Systems .................................................................................. 269
  Samuel C. Avemaria Utulu, Redeemer’s University, Nigeria & University of Cape Town,
  South Africa
  Adebayo A. Akadri, Redeemer’s University, Nigeria

Chapter 16
ERMS Druthers ............................................................................................................................ 284
  Cynthia Snell, Columbia College, USA

Chapter 17
Free or Externally Funded Professional Development for Frugal Librarians ............................... 292
  Elizabeth Watson, Duplin County Public Library, USA

Chapter 18
The University Cloud Library Model and the Role of the Cloud Librarian .............................. 308
  Sangeeta N Dhamdhere, Modern College of Arts, Science and Commerce, India
  Ramdas Lihitkar, Government College of Science, India

Chapter 19
Open Universities Australia: The Evolution of Open Access and Online Education
Opportunities .................................................................................................................................. 320
  Michael Crock, Open Universities Australia (OUA), Australia
  Janet Baker, Open Universities Australia (OUA), Australia
  Skye Turner-Walker, Open Universities Australia (OUA), Australia

Chapter 20
Creating Open Source Lecture Materials: A Guide to Trends, Technologies, and Approaches in
the Information Sciences .................................................................................................................. 336
  William H. Hsu, Kansas State University, USA

Chapter 21
Teaching a YouTube™ Course Online .......................................................................................... 364
  Chareen Snelson, Boise State University, USA
Chapter 22
Incorporating Free/Open-Source Data and Tools in Software Engineering Education ................................. 381
Liguow Yu, Indiana University South Bend, USA
David R. Surma, Indiana University South Bend, USA
Hossein Hakimzadeh, Indiana University South Bend, USA

Chapter 23
Open Source vs. Proprietary Collaborative Virtual Learning Environments ............................................. 392
Apostolos Mavridis, Aristotle University of Thessaloniki, Greece
Andreas Konstantinidis, King’s College London, England
Thrasyvoulos Tsiatsos, Aristotle University of Thessaloniki, Greece

Chapter 24
Creating Open-Source Interactive Articles for the Wider Publics ............................................................... 407
Shalin Hai-Jew, Kansas State University, USA

Chapter 25
E-Health Sites Development Using Open Source Software and OMT Methodology as Support for Family Doctors’ Activities: A Romanian Case Study ................................................................. 430
Sebastian Marius Rosu, Special Telecommunications Service, Romania
George Dragoi, University “Politehnica” of Bucharest, Romania

Chapter 26
A Preventive Action Management Platform in Healthcare Information Systems ........................................ 447
Hugo Peixoto, Centro Hospitalar do Tâmega e Sousa, Portugal
António Abelha, University of Minho - Campus de Gualtar, Portugal
Manuel Santos, University of Minho - Campus de Azúreus, Portugal
José Machado, University of Minho - Campus de Gualtar, Portugal

Section 3
Organizational and Social Implications

This section discusses the impact of Open Source Technology on human lives and livelihoods, including legal, social, and economic implications. Beyond the legal concerns raised by freely accessible, copyrighted content, open source tools have the potential to drastically affect and improve human well-being, whether that is through assistive technologies for the elderly and impaired or providing access to knowledge and information to isolated groups who might not otherwise have such luxuries as an updated textbook. In these 14 chapters, readers will find an in-depth discussion of some of the most pressing organizational and social implications of Open Source Technology.

Chapter 27
Free Assistive Technology Software for Persons with Motor Disabilities .................................................. 462
Alexandros Pino, National and Kapodistrian University of Athens, Greece
Volume II

Chapter 28
User Resistance to Software Migration: The Case on Linux

Hee-Woong Kim, Graduate School of Information, Yonsei University, Korea
Hock Chuan Chan, National University of Singapore, Singapore
So-Hyun Lee, Graduate School of Information, Yonsei University, Korea

Chapter 29
Open Growth: The Impact of Open Source Software on Employment in the USA

Roya Ghafele, Oxfirst, UK
Benjamin Gibert, Oxfirst, UK

Chapter 30
Social Acceptability of Open Source Software by Example of the Ubuntu Operating System

Mateusz Szołtysik, University of Economics in Katowice, Poland

Chapter 31
Decentralized Expertise: The Evolution of Community Forums in Technical Support

Steven Ovadia, LaGuardia Community College, USA

Chapter 32
Users’ Acceptance and Use of Moodle: The Community Influence

Hoda Baytiyeh, American University of Beirut, Lebanon

Chapter 33
Iff and Other Conditionals: Expert Perceptions of the Feasibility of Massive Open Online Courses (MOOCs) – A Modified E-Delphi Study

Shalin Hai-Jew, Kansas State University, USA

Chapter 34
Theses and Dissertations from Print to ETD: The Nuances of Preserving and Accessing those in Music

Daniel Gelaw Alemneh, University of North Texas, USA
Ralph Hartsock, University of North Texas, USA

Chapter 35
A Lost Dimension in the Open Scholarly World: Authors’ Experiences and Open Access Publishing

Sumeer Gul, University of Kashmir, India
Tariq Ahmad Shah, University of Kashmir, India

Chapter 36
Economic Impact of Information and Communication Technology in Higher Education

Carol A. Brown, East Carolina University, USA
Chapter 37
The Migration of the Book across Territorial Borders: Copyright Implications for Authors in the Digital Economy .......................................................... 786
   Francina Cantatore, Bond University, Australia

Chapter 38
A Model of Cultural Competence in Open Source Systems .................................................. 802
   Doris Wright Carroll, Kansas State University, USA

Chapter 39
Action Potentials: Extrapolating an Ideology from the Anonymous Hacker Socio-Political Movement (A Qualitative Meta-Analysis) .................................................. 812
   Shalin Hai-Jew, Kansas State University, USA

Chapter 40
Knowing Protection of Intellectual Contents in Digital Era .................................................. 870
   Priyanka Vishwakarma, Banaras Hindu University, India
   Bhaskar Mukherjee, Guru Ghasidas University, India

Section 4
Development and Design Methodologies
This section addresses the concerns raised in the previous sections with solutions enabled largely by Open Source Technology. Understanding how to use these systems and technologies effectively and safely is perhaps just as important as what one can do with them. In particular, organizational strategies of library and information science professionals, educational pedagogies, and regulations in software and governance are of critical concern. The 13 chapters that make up this section explore the development and design methodologies that bridge the gap between fundamental concepts and real-world applications of Open Source Technology.

Chapter 41
Internet Policy Issues and Digital Libraries’ Management of Intellectual Property ................. 890
   Adeyinka Tella, University of Ilorin, Nigeria
   A. K. Afolabi, Federal University of Technology, Nigeria

Chapter 42
Open Content: An Inference for Developing an Open Information Field .............................. 902
   Nilesh A. Shewale, Don Bosco Institute of Technology, India
   Preedip Balaji B., Indian Statistical Institute, India
   Madhukar Shewale, Yashwantrao Chavan Maharashtra Open University, India

Chapter 43
Managing Knowledge in Open Source Software Test Process .......................................... 918
   Tamer Abdou, Concordia University, Canada
   Peter Grogono, Concordia University, Canada
   Pankaj Kamthan, Concordia University, Canada
Chapter 44
Digitize or Perish: Strategies for Improving Access to Indigenous Intellectual Resources in Sub-Saharan Africa ................................................................. 933
    Stephen Asunka, Ghana Technology University College, Ghana

Chapter 45
Building Open-Source Resources for Online Learning in a Higher Education Environment .......... 948
    Shalin Hai-Jew, Kansas State University, USA

Chapter 46
Competition-Based Learning: A Model for the Integration of Competitions with Project-Based Learning using Open Source LMS ........................................ 968
    Ghassan Issa, Petra University, Jordan
    Shakir M. Hussain, Petra University, Jordan
    Hussein Al-Bahadili, Petra University, Jordan

Chapter 47
Navigating Multimedia: How to Find Internet Video Resources for Teaching, Learning, and Research .............................................................................................................. 981
    Julie A. DeCesare, Providence College, USA

Chapter 48
Learning Software Industry Practices with Open Source and Free Software Tools ......................... 997
    Jagadeesh Nandigam, Grand Valley State University, USA
    Venkat N Gudivada, Marshall University, USA

Volume III

Chapter 49
An Innovative “Cybernetic” Organization Improvement Plan through Participatory Action Research in Persistent “Open Source” Virtual Worlds ........................................... 1013
    Nikolaos Pellas, University of the Aegean, Greece

Chapter 50
Free Public Wi-Fi and E-Planning: The Use of Online Planning to Build Better Networked Public Places ................................................................................................................... 1035
    Alex Lambert, School of Culture and Communication, University of Melbourne, Australia
    Scott McQuire, School of Culture and Communication, University of Melbourne, Australia
    Nikos Papastergiadis, School of Culture and Communication, University of Melbourne, Australia

Chapter 51
    Keng Siau, Missouri University of Science and Technology, USA
    Yuhong Tian, Express Scripts Holding Company, USA
Chapter 52
Reliability Modeling and Assessment for Open Source Cloud Software: A Stochastic Approach
Yoshinobu Tamura, Yamaguchi University, Japan
Shigeru Yamada, Tottori University, Japan

Chapter 53
A Systematic Approach to Evaluating Open Source Software
Norita Ahmad, American University of Sharjah, UAE
Phillip A. Laplante, The Pennsylvania State University, Great Valley, USA

Section 5
Critical Issues
This section analyzes the benefits and drawbacks of Open Source Technology across a variety of disciplines to further explore the debate over these innovative technologies. As has been explored previously, there are concerns with the widespread implementation of open source software, tools, and systems, most notably copyright infringement, intellectual property rights, and digital piracy. Additionally, these chapters consider some of the implications with regard to education, information resources, and software integration, among others. In this section, 13 chapters explore some of the critical issues driving advances in Open Source Technology.

Chapter 54
Critical Analysis on Open Source LMSs Using FCA
K. Sumangali, School of Information Technology & Engineering, Vellore Institute of Technology, India
Ch. Aswani Kumar, School of Information Technology & Engineering, Vellore Institute of Technology, India

Chapter 55
Success of Open Source in Developing Countries: The Case of Iran
Alireza Amrollahi, University of Tehran, Iran
Mohammad Khansari, University of Tehran, Iran
Amir Manian, University of Tehran, Iran

Chapter 56
Effects of Free Goods on Market Sustainability
Steven Cavaleri, Central Connecticut State University, USA
Sheldon Friedman, University of Saint Joseph, USA

Chapter 57
Analyzing the Competitive Dynamics in Open-Source Publishing Using Game Theory
Shalin Hai-Jew, Kansas State University, USA
Chapter 58
Comparative Analysis of Major Issues Involved in IPR and Competition Policy ........................................ 1209
Nisha Dhanraj, Amity Law School, India
Mamta Sharma, Amity Law School, India

Chapter 59
Harnessing and Evaluating Open Sim for the Implementation of an Inquiry-Based Collaborative Learning (Ib[C]L) Script in Computer Science: Preliminary Findings from a Case Study in Higher Education ........................................................................................................................................................................ 1223
Nikolaos Pellas, University of the Aegean, Syros, Greece

Chapter 60
Open Source for Higher Conventional and Open Education in India .............................................................. 1247
Ramesh C. Sharma, Indira Gandhi National Open University, India

Chapter 61
Reflections on the Role of Self-Paced, Online Resources in Higher Education or How YouTube is Teaching Me How to Knit .............................................................................................................................................................. 1265
Cath Ellis, University of Huddersfield, UK

Chapter 62
MOOCs: Exploiting Networks for the Education of the Masses or Just a Trend? .............................................. 1282
Vanessa Camilleri, University of Malta, Malta
Leonard Busuttil, University of Malta, Malta
Matthew Montebello, University of Malta, Malta

Chapter 63
The Ellis Model of Information Seeking Behavior and the Peripheral Scientific Community ...... 1301
Simon Aristeguieta-Trillos, Clarion University of Pennsylvania, USA

Chapter 64
Wikipedia’s Success and the Rise of the Amateur-Expert .................................................................................. 1318
Christopher Sweet, Illinois Wesleyan University, USA

Chapter 65
On the Geographic Allocation of Open Source Software Activities ................................................................. 1343
Sebastian von Engelhardt, Friedrich-Schiller-University Jena, Germany
Andreas Freytag, Friedrich-Schiller-University Jena, Germany
Christoph Schulz, Carl Zeiss AG, Germany

Chapter 66
Replacing Proprietary Software with Open Source Software: Implications .................................................... 1356
Albert Akyeampong, Ohio Northern University, USA
Section 6
Tools and Technologies

This section focuses primarily on the hardware and software that make Open Source Technology possible. Open Source Technology would not be possible without the advances in computing power, cloud technology, and ubiquitous information retrieval developed over the past several decades. Integrating software with fields such as education, medicine, research and development, and knowledge management is an important part of how open source systems make their mark. With 13 chapters, this section offers a broad treatment of some of the many tools and technologies within Open Source Technology.

Chapter 67
Open Source Software Integrations ................................................................. 1370
   Gábor Bakos, Mind Eratosthenes Kft., Hungary

Chapter 68
The Agile Hour in a Virtual World: Teaching Agile Methods with Open Wonderland ............... 1386
   David Parsons, Massey University - Auckland, New Zealand
   Rosemary Stockdale, Swinburne University, Australia

Chapter 69
Translating Traditional Writing Process Tools to Digital Ones: Integrating Digital Writing in K-12 Classrooms ............................................................................ 1406
   Keri R. Franklin, Missouri State University, USA
   Kathy Gibson, Greenwood Laboratory School, USA

Chapter 70
Virtualized Open Source Networking Lab......................................................... 1421
   Lee Chao, University of Houston-Victoria, USA

Chapter 71
Open Source and Free E-Learning Tools Useful in LIS Education................................. 1437
   Sarika Sawant, SHPT School of Library Science, SNDT Women’s University, India

Chapter 72
Open Education Resources: Content without Context? ............................................... 1446
   Lindy Klein, University of New England, Australia

Chapter 73
VuFind: Solr Power in the Library ....................................................................... 1454
   Demian Katz, Villanova University, USA
   Andrew Nagy, Serials Solutions, USA
Chapter 74
The Virtual Computing Lab (VCL): An Open Source Cloud Computing Solution Designed Specifically for Education and Research

Andy Rindos, Center for Advanced Studies, IBM Corporation, USA
Mladen Vouk, North Carolina State University, USA
Yaser Jararweh, Jordan University of Science and Technology, Jordan

Chapter 75
Open Source Software to Enhance the STEM Learning Environment

Maurice Dawson, University of Missouri-St. Louis, USA
Imad Al Saeed, Colorado Technical University, USA
Jorja Wright, Florida Institute of Technology, USA
Festus Onyegbula, University of Maryland University College, USA

Chapter 76
Measuring Language Learners’ Speaking Proficiency in a Second Language Using Economical Digital Tools

Peter B. Swanson, Georgia State University, USA

Volume IV

Chapter 77
Digital Recording Platforms and Integrated Performance Assessments in Second/Foreign Language Learning

Peter B. Swanson, Georgia State University, USA

Chapter 78
Emergent Data Mining Tools for Social Network Analysis

Dhiraj Murthy, Bowdoin College, USA
Alexander Gross, Bowdoin College, USA
Alex Takata, Bowdoin College, USA

Chapter 79
Web and Cloud Management for Building Energy Reduction: Toward a Smart District Information Modelling

Patrizia Lombardi, Politecnico di Torino, Italy & Università di Torino, Italy
Andrea Acquaviva, Politecnico di Torino, Italy
Enrico Macii, Politecnico di Torino, Italy
Anna Osello, Politecnico di Torino, Italy
Edoardo Patti, Politecnico di Torino, Italy
Giulia Sonetti, Politecnico di Torino, Italy & Università di Torino, Italy
Section 7
Managerial Impact

This section considers how the changing nature of business and society brought about by Open Source Technology affects leaders at all levels and industries. Adaptation is as true a paradigm in business as it is in government and law, and all three fields must learn the opportunities and pitfalls brought to light by new advancements to this fast-evolving technology. In particular, recent advances in project management, business intelligence, and academic libraries all owe their development to open source tools. This section’s 10 chapters examine the managerial impact of key topics in the field of Open Source Technology.

Chapter 80
Advances in Technology Project Management: Review of Open Source Software Integration
Maurice Dawson, University of Missouri – St. Louis, USA
Brian Leonard, Alabama A&M University, USA
Emad Rahim, Oklahoma State University, USA

Chapter 81
Social Networks and Internet Communities in the Field of Geographic Information and Their Role in Open Data Government Initiatives
Paula Díaz, City University of Hong Kong, China
Joan Masó, CREAF, Universitat Autònoma de Barcelona, Spain

Chapter 82
Open Government Success Factors in Government Websites: The Mexican Experience
Rodrigo Sandoval-Almazán, Universidad Autónoma del Estado de México, Mexico

Chapter 83
Business Intelligence Tools for Social E-Enterprises
Jorge Bernardino, ISEC - Polytechnic Institute of Coimbra, Portugal

Chapter 84
Choosing and Implementing an Open Source ERMS
Daniel Stafford, Kutztown University of Pennsylvania, USA
Robert Flatley, Kutztown University of Pennsylvania, USA

Chapter 85
Enterprise Resource Planning System (ERP) and Other Free Software for Accounting and Financial Management of Non-Profit Entities
Teresa Montero-Romero, Universidad Loyola Andalucía, Spain
Magdalena Cordobés-Madueño, Universidad Loyola Andalucía, Spain

Chapter 86
Emerging Business Intelligence Technologies for SMEs
Jorge Bernardino, Institute Polytechnic of Coimbra – ISEC, Portugal
Chapter 87
Effort, Time, and Staffing in Continually Evolving Open-Source Projects ........................................... 1722
Liguo Yu, Indiana University – South Bend, USA

Chapter 88
Aligning Practice and Philosophy: Opening up Options for School Leaders ......................................... 1744
Kathryn Moyle, Charles Darwin University, Australia

Chapter 89
Managerial Perspective of E-Resources in Academic Libraries ............................................................. 1763
V. J. Suseela, University of Hyderabad, India

Section 8
Emerging Trends

This section brings to light some of the most promising opportunities afforded by Open Source Technology and
explores how those opportunities can be best made reality. Open source tools continue to develop and grow at an
extraordinary pace, driven by their eager implementation by leaders in government, business, and education. As
advances in library management and openly shared content give rise to concerns over intellectual property and
the role of the expert in the information society, practitioners of open source tools must always be cognizant of
the implications of their technology. The final 13 chapters of this extensive four-volume reference conclude with a
detailed look at emerging trends in the field of Open Source Technology.

Chapter 90
Empowering LIS Professionals and Academic Library Users in a Networked and Digital
Environment: A Case Study of Rabindra Library, Assam University, Silchar ........................................... 1788
Manoj Kumar Sinha, Assam University, India

Chapter 91
Electronic Resources and Next-Generation Public Library Catalogs ....................................................... 1820
Tracy L. McPeck, Prince William Public Library System, USA

Chapter 92
Copyright Relevancy at Stake in Libraries of the Digital Era ................................................................. 1835
Manju Dubey, R. S. Mundhe Dharampeth Arts & Commerce College, India
Mangala Hirwade, Nagpur University, India

Chapter 93
User-Generated Cinema: A New Way of Consumer Co-Creation? .......................................................... 1841
Theresa Steffens, Macromedia University for Media and Communication Naststraße 11,
Germany
Thomas Döbler, Macromedia University for Media and Communication Naststraße 11,
Germany
Chapter 94
Web-Based Service for Collaborative Authoring Learning Using Grid Portal
Dayang Hjh. Tiawa Awang Hj. Hamid, Universiti Teknologi Malaysia, Malaysia
Norma Alias, Ibmun Sina Institute, Universiti Teknologi Malaysia, Malaysia
Abdul Hafidz Hj. Omar, Universiti Teknologi Malaysia, Malaysia
Md. Rajibul Islam, Clarify Consulting Sdn Bhd, Jalan University, Malaysia
Hafizah Farhah Saipan Saipol, Universiti Teknologi Malaysia, Malaysia
Siti Qatrunada Muhd Palil, Universiti Teknologi Malaysia, Malaysia
Asnida Che Abdul Ghani, Universiti Teknologi Malaysia, Malaysia
Nurelya Ramli, Universiti Teknologi Malaysia, Malaysia

Chapter 95
Emerging Issues in Open Access Initiatives in Africa
M. T. Bashorun, University of Botswana, Botswana
Iro Sani Lawal, University of Botswana, Botswana
Isah Abdulmumin, University of Botswana, Botswana

Chapter 96
Open Source Object Directory Services for Inter-Enterprise Tracking and Tracing Applications
Konstantinos Mourtzoukos, Athens Information Technology, Greece
Nikos Kefalakis, Athens Information Technology, Greece
John Soldatos, Athens Information Technology, Greece

Chapter 97
Learning4Content: WikiEducator’s Training Initiative in Education
Ramesh C. Sharma, Indira Gandhi National Open University, India

Chapter 98
Open Source Approach for Mitigating Misinformation Risk in Complementary and Alternative Medicine Practices
Venugopal Gopalakrishna-Remani, The University of Texas - Tyler, USA
Mary Helen Fagan, The University of Texas - Tyler, USA

Chapter 99
Bridging the Academia-Industry Gap in Software Engineering: A Client-Oriented Open Source Software Projects Course
 Bonnie K. MacKellar, St. John’s University, USA
 Mihaela Sabin, University of New Hampshire, USA
 Allen B. Tucker, Bowdoin College, USA

Chapter 100
Code Clone Detection and Analysis in Open Source Applications
Al-Fahim Mubarak-Ali, Universiti Teknologi Malaysia, Malaysia
Shahida Sulaiman, Universiti Teknologi Malaysia, Malaysia
Sharifah Mashita Syed-Mohamad, Universiti Sains Malaysia, Malaysia
Zhenchang Xing, Nanyang Technological University, Singapore
Chapter 101
Model-Driven Reverse Engineering of Open Source Systems ......................................................... 1966
Ricardo Perez-Castillo, University of Castilla-La Mancha, Spain
Mario Piattini, University of Castilla-La Mancha, Spain

Chapter 102
Rethinking Expertise in the Web 2.0 Era: Lessons Learned from Project Durian ......................... 1988
Ilias Karasavvidis, University of Thessaly, Greece

Index ................................................................................................................................................ xxviii