Governance, Communication, and Innovation in a Knowledge Intensive Society

Sean W. M. Siqueira
Federal University of the State of Rio de Janeiro, Brazil
## Table of Contents

**Preface**

**Chapter 1**
Cultural Pluralism in the Context of the Knowledge Society Ecosystem: Reviews and Views

*Saad Haj Bakry, King Saud University, Saudi Arabia*

*Ali Al-Ghamdi, King Saud University, Saudi Arabia*

**Chapter 2**
The Impact of Climate Change in the Modern Enterprise

*Anastasios Danos, TEI of Piraeus, Greece*

*Konstantina Boulouta, TEI of Piraeus, Greece*

**Chapter 3**
Integrating ESD in Norwegian Education

*Astrid Sandås, Norwegian Directorate for Education and Training, Norway*

*Faye Benedict, Norwegian University of Life Sciences, Norway*

**Chapter 4**
Green Computing: An Indian Perspective

*Rabindra Ku Jena, Institute of Management Technology, India*

*D. G. Dey, Udala College, India*

**Chapter 5**
Availability Estimation of Demand Buses as Human Transportation System, Using Self-Organizing Map

*Toyohide Watanabe, Nagoya University, Japan*

*Kentaro Uesugi, Nagoya University, Japan*

**Chapter 6**
A Quantitative Approach to Identify the Arguments that Support Decisions in E-Cognocracy

*Adrián Toncovich, University of Zaragoza, Spain*

*Alberto Turón, University of Zaragoza, Spain*

*María Teresa Escobar, University of Zaragoza, Spain*

*José María Moreno-Jiménez, University of Zaragoza, Spain*
Chapter 7
Personnel Performance Appraisal Coverage in ITIL, COBIT, and CMMi: A Study from the Perspective of People-CMM

Cristina Casado-Lumbreras, Universidad Complutense de Madrid, Spain
Ricardo Colomo-Palacios, Universidad Carlos III de Madrid, Spain
Adrián Hernández-López, Universidad Carlos III de Madrid, Spain
Pedro Soto-Acosta, Universidad de Murcia, Spain

Chapter 8
Information Security Awareness in Academia

Peter Korovessis, University of Plymouth, UK & The American College of Greece-DEREE, Greece

Chapter 9
Ethical Competences in Accounting Higher Education: An Expectation Gap between the Profession and University

M. Àngels Fitó, Universitat Oberta de Catalunya, Spain
Joan Llobet, Universitat Oberta de Catalunya, Spain
Soledad Moya, Universitat Autònoma de Barcelona, Spain

Chapter 10
Evaluation of Organization Structure Based on Email Interactions

Sebastian Palus, Wroclaw University of Technology, Poland
Piotr Bródka, Wroclaw University of Technology, Poland
Przemysław Kazienko, Wroclaw University of Technology, Poland

Chapter 11
An Analysis of the Impact of 2.0 Tools and Technologies on Organizational Processes

Félix Pascual-Miguel, Universidad Politécnica de Madrid, Spain
Julían Chaparro-Peláez, Universidad Politécnica de Madrid, Spain
Ángel Hernández-García, Universidad Politécnica de Madrid, Spain

Chapter 12
Students’ Questioning and Creativity: How are These Related?

Patricia Albergaria Almeida, University of Aveiro, Portugal
José Joaquim Teixeira-Dias, University of Aveiro, Portugal
Jorge Medina, University of Aveiro, Portugal

Chapter 13
Exploring the Effects of a Mindfulness Program for Students of Secondary School

Clemente Franco, University of Almería, Spain
Israel Mañas, University of Almería, Spain
Adolfo J. Cangas, University of Almería, Spain
José Gallego, University of Almería, Spain
Chapter 14
Multiple Solitudes: Digital Curriculum Access in the Pan-Canadian Context
Lorayne Robertson, University of Ontario Institute of Technology, Canada
Dianne Thomson, University of Ontario Institute of Technology, Canada

Chapter 15
Integrating the LMS in Service Oriented eLearning Systems
José Paulo Leal, CRACS & INESC-Porto LA, Faculdade de Ciências, Universidade do Porto, Portugal
Ricardo Queirós, CRACS & INESC-Porto LA, Faculdade de Ciências, Universidade do Porto, Portugal

Chapter 16
The Role of Outside Affordances in Developing Expertise in Online Collaborative Learning
Craig Deed, La Trobe University, Australia
Anthony Edwards, Liverpool Hope University, UK

Chapter 17
Effects of Virtual World Environments in Student Satisfaction: An Examination of the Role of Architecture in 3D Education
Noha Saleeb, Middlesex University, UK
Georgios Dafoulas, Middlesex University, UK

Chapter 18
Scaffolding Pedagogical Planning and the Design of Learning Activities: An On-Line System
Rosa Maria Bottino, Istituto Tecnologie Didattiche – CNR, Italy
Michela Ott, Istituto Tecnologie Didattiche – CNR, Italy
Mauro Tavella, Istituto Tecnologie Didattiche – CNR, Italy

Chapter 19
Instructional Design and Quality: Learning Strategies for the Course Plan and Formative Activities - A Practical Case of the Program of East Asian Studies
Anna Busquets, Open University of Catalonia, Spain
Muriel Gómez, Open University of Catalonia, Spain

Chapter 20
Location Guided System of Training Solutions and Learning Itineraries Based on Competences Adapted to Users’ Needs: The UOC eLearning GPS
Jose López-Ruiz, Universitat Oberta de Catalunya, Spain
Pablo Lara-Navarra, Universitat Oberta de Catalunya, Spain
Enric Serradell-Lopez, Universitat Oberta de Catalunya, Spain
Josep Antoni Martinez-Aceituno, Universitat Oberta de Catalunya, Spain
Chapter 21
Delivering Educational Games to Mobile Devices ................................................................. 260
  Miroslav Minović, University of Belgrade, Serbia
  Miloš Milovanović, University of Belgrade, Serbia
  Dušan Starčević, University of Belgrade, Serbia

Chapter 22
Using COTS-Widgets Architectures for Describing User Interfaces of Web-Based Information Systems ........................................................................................................................................ 271
  Luis Iribarne, Applied Computing Group, University of Almeria, Spain
  Javier Criado, Applied Computing Group, University of Almeria, Spain
  Nicolás Padilla, Applied Computing Group, University of Almeria, Spain
  José-Andrés Asensio, Applied Computing Group, University of Almeria, Spain

Chapter 23
AHKME eLearning Information System: A 3.0 Approach .................................................. 283
  H. Rego, University of Salamanca, Spain
  T. Moreira, University of Salamanca, Spain
  F. J. Garcia-Peñalvo, University of Salamanca, Spain

Chapter 24
Cataloguing and Searching Musical Sound Recordings in an Ontology-Based Information System ............................................................................................................................................... 292
  Marcelo de O. Albuquerque, Federal University of the State of Rio de Janeiro (UNIRIO), Brazil
  Sean Wolfgang M. Siqueira, Federal University of the State of Rio de Janeiro (UNIRIO), Brazil
  Maria Helena Lima Baptista Braz, Technical University of Lisbon, Portugal

Chapter 25
Beyond Knowledge Management: An Extended Model of Knowledge Governance .......... 307
  Laszlo Z. Karvalics, Szeged University, Hungary
  Nikunj Dalal, Oklahoma State University, USA

Chapter 26
A Pattern of Reference to Insure Organizational Learning Process: The Semi-Opened Infrastructure Model (SopIM) .................................................................................................................. 319
  Michel Grundstein, MG Conseil and Paris Dauphine University, France

Compilation of References ........................................................................................................... 333

About the Contributors .................................................................................................................. 365

Index ........................................................................................................................................... 375