

PREMIER REFERENCE SOURCE

Technologies and Practices for Constructing Knowledge in Online Environments

Advancements in Learning



BERNHARD ERTL

Table of Contents

Preface	xii
----------------------	------------

Acknowledgment.....	xvii
----------------------------	-------------

Section 1

Practice Examples for E-Collaborative Knowledge Construction

Chapter 1

Computer Support in E-Collaborative Learning-by-Doing Environments.....	1
<i>Lin Qiu, Nanyang Technological University, Singapore</i>	

Chapter 2

Collaborative Knowledge Construction in Virtual Learning Environments: A Good Practice	
Example of Designing Online Courses in Moodle	25
<i>Kathrin Helling, Institute for Future Studies, Austria</i>	
<i>Christian Petter, Institute for Future Studies, Austria</i>	

Chapter 3

Constructing a Sense of Community in a Graduate Educational Setting Using a	
Web 2.0 Environment	46
<i>Daniel Firpo, Claremont Graduate University, USA</i>	
<i>Sumonta Kasemvilas, Claremont Graduate University, USA</i>	
<i>Peter Ractham, Thammasat University, Thailand</i>	
<i>Xuesong Zhang, California State University, USA</i>	

Section 2

Technologies

Chapter 4

Collaborative Knowledge Construction with Web Video Conferencing: A Work Based	
Learning Approach.....	85
<i>Stylianos Hatzipanagos, King's College London, UK</i>	
<i>Anthony Basiel, Middlesex University, UK</i>	
<i>Annette Fillery-Travis, Middlesex University, UK</i>	

Chapter 5

Supporting Case-Based Learning Through a Collaborative Authoring System	99
<i>Bo Hu, Universität der Bundeswehr München, Germany</i>	
<i>Klaus Gollin, Fachhochschule für Oekonomie und Management, Germany</i>	

Chapter 6

Knowledge Access and Interaction Evolution in Virtual Learning Communities	113
<i>Maria Chiara Caschera, Institute of Research on Population and Social Policies (CNR-IRPPS), Italy</i>	
<i>Alessia D'Andrea, Institute of Research on Population and Social Policies (CNR-IRPPS), Italy</i>	
<i>Fernando Ferri, Institute of Research on Population and Social Policies (CNR-IRPPS), Italy</i>	
<i>Patrizia Grifoni, Institute of Research on Population and Social Policies (CNR-IRPPS), Italy</i>	

Chapter 7

E-Collaboration Between People and Technological Boundary Objects: A New Learning Partnership in Knowledge Construction	133
<i>Sandra Y. Okita, Columbia University, USA</i>	

Section 3

Outlook

Chapter 8

From Instructional Design to Setting up Pedagogical Infrastructures: Designin Technology-Enhanced Knowledge Creation	169
<i>Minna Lakkala, University of Helsinki, Finland</i>	
<i>Liisa Ilomäki, University of Helsinki, Finland</i>	
<i>Kari Kosonen, University of Helsinki, Finland</i>	

Chapter 9

Challenges with Knowledge Construction in an E-Learning Environment.....	186
<i>Bolanle A. Olaniran, Texas Tech University, USA</i>	
<i>Oladayo Olaniran, Federal University of Technology, Nigeria</i>	
<i>David Edgell, Texas Tech University, USA</i>	

Chapter 10

E-Learning as a Socio-Cultural System.....	202
<i>Vaiva Zuzeviciute, Vyautas Magnus University, Lithuania</i>	
<i>Edita Butrime, Vyautas Magnus University, Lithuania</i>	

Compilation of References	219
---------------------------------	-----

About the Contributors	251
------------------------------	-----

Index.....	257
------------	-----