

Contents

Preface.....	7
--------------	---

*David F. Conway, Melodee Landis, Stefanie A. Hillen, Mary T. Schlegelmilch
and Peter Wolcott*

The Value of Investigating Information Technology Applications for Teaching and Learning Purposes	11
--	----

I. Instruction in Higher Education

Melodee Landis

Adding Value with Constructivism – Using a Constructivist Model to Expand Teachers’ Uses of Digital Technology.....	21
--	----

Deepak Khazanchi, Bjørn Erik Munkvold and Aleksandra Lazareva

Towards a Contingency Theory of eLearning.....	35
--	----

Jeanne L. Surface, Mary T. Schlegelmilch and Phyllis Adcock

Collaborative Technologies and Digital Media in Teaching and Learning: Starting Small and Learning Along the Way	52
---	----

Stefanie A. Hillen

IT-Integrated Approaches in Everyday Teaching in Higher Education: Supporting Interaction and Communication in High Enrollment Classes.....	67
--	----

II. Education and Training

Peter Wolcott and R. J. Redden

Information Technology for Development: Service Learning from Classroom to Community and Back Again	85
--	----

Morten Goodwin, Christian Auby, Rune Andersen and Vera Barstad

Educating Programming Students for the Industry	100
---	-----

Victor Winter

The World Needs More Computer Science! What to do?	119
---	-----

Paul J. A. van Vliet

Building an Online Systems Development Course – Experiences with Content and Interaction Design.....	142
---	-----

Rune Andersen, Andreas Prinz and Halvard Øysæd

How to Teach Habits?	159
----------------------------	-----

III. Globalization and Social Media

Sven Åke Bjørke

Education for Sustainable Development Going Online 177

Jeremy Harris Lipschultz

Social Media Communication in the Classroom:
A Pedagogical Case Study of Social Network Analysis 191

*Godfrey Mayende, Paul B. Muyinda, Andreas Prinz,
Ghislain Maurice N. Isabwe and Dianah Nampijja*

Online Learning Needs Assessment in Uganda 208

About the authors..... 225

Matrix of digital themes 234