

Contents

Contents	v
Contributing Authors	ix
Preface	xi
Foreword	1
A COMPREHENSIVE SYNTHESIS OF RESEARCH	3
Information and Communication Technology in education	
Niki Davis & Roger Carlsen	
LIFELONG LEARNING IN THE KNOWLEDGE SOCIETY	15
Implications for education	
Tom van Weert	
COLLECTIVE INTELLIGENCE AND CAPACITY BUILDING	27
In a networked society	
Bernard Cornu	
ETAMPERE	35
Social engineering of the Knowledge Society	
Jarmo Viteli	
INFORMATION: A STRATEGIC RESOURCE FOR TECHNOLOGICAL CHANGE	47
Jean-Marie Leclerc	
PRESERVING INFORMATION	57
André Hurst	

TOWARDS AN INDIGENOUS VISION FOR THE INFORMATION SOCIETY	67
Kenneth Deer & Ann-Kristin Håkansson	
VULNERABILITIES OF INFORMATION TECHNOLOGIES	81
Impact on the Information Society	
Klaus Brunnstein	
PROFESSIONAL DEONTOLOGY, SELF-REGULATION AND ETHICS IN THE INFORMATION SOCIETY	93
Jacques Berleur	
DEVELOPMENTS IN THE FIELDS OF SOFTWARE ENGINEERING	109
Professionalism, standards and best practice	
J. Barrie Thompson	
THE ROLE OF IEEE COMPUTER SOCIETY IN THE INFORMATION AGE	123
Willis K. King	
MANAGING ICT SKILLS PROFILES	133
Anneke Hacquebard, Steven Dijkxhoorn & Anita Erkelens	
ENABLING ICT ADOPTION IN DEVELOPING KNOWLEDGE SOCIETIES	145
Colin Harrison	
SUSTAINABLE DEVELOPMENT AND THE INFORMATION SOCIETY	157
From Rio to Geneva	
René Longet	
THE “E-WELL”	167
ICT-enabled integrated, multisectorial development of rural areas in the least developed countries	
Antoine Geissbuhler & Ousmane Ly	
NETWORKED ECONOMY	177
Effects on organisational development and the role of education	
Mikko J. Ruohonen	
UNDERSTANDING AND INTERPRETING THE DRIVERS OF THE KNOWLEDGE ECONOMY	189
Mohan R. Gurubatham	
BEYOND TECHNOLOGY	203
Mankind as an end, or the end of mankind?	
André-Yves Portnoff	
SOCIAL ENGINEERING OF THE INTERNET IN DEVELOPING AREAS	213
Wesley Shrum	
Project proposals	223
THE “FOUR PILLARS” AND E-EDUCATION FOR ALL	225
Bernard Cornu	

E-SOLIDARITY, A MEANS OF FIGHTING AGAINST FGM (FEMALE GENITAL MUTILATION)	231
Annie Corsini-Karagouni	
AN INDIGENOUS APPROACH TO BRIDGING THE DIGITAL DIVIDE	237
Kenneth Deer & Ann-Kristin Håkansson	
E-WELL: MULTI-SECTORAL DEVELOPMENT OF RURAL AREAS	241
Antoine Geissbuhler & Ousmane Ly	
CYBERTROC: A BARTER SYSTEM FOR THE INFORMATION SOCIETY	244
Colin Harrison	
CYBER INCLUSION THROUGH ACTIVITY	247
Jean-Marie Leclerc	
EXPLORING DILEMMAS: ETHICS, SOCIAL VALUES AND E-SOCIETY	253
Deryn Watson	
NETWORK-BLENDED EDUCATION OF TOMORROW	257
Tom J. van Weert & David Wood	
ICTs FOR EDUCATION AND DEVELOPMENT IN RURAL COMMUNITIES	265
Sithabile Magwizi	
JUST IN TIME SUPPORT FOR EDUCATIONAL LEADERSHIP	271
Niki Davis	
Declarations	279
UNESCO – IFIP YOUTH DECLARATION	281
IFIP World Computer Congress 2002	
VILNIUS DECLARATION	285
IFIP World Information Technology Forum (WITFOR)	
CARTHAGE DECLARATION	297
On the Digital Divide	
World Congress on the Digital Divide	
VIENNA DECLARATION	301
On Wireless Local Area Networks (WLANs)	
Conference on Security in Wireless Local Area Networks	
Index	305