Social Dimensions of Information Technology: Issues for the New Millennium

Table of Contents

Introduction .............................................................................................................................................. 1  
G. David Garson, North Carolina State University, USA

I. THE SOCIAL DIMENSION OF INFORMATION TECHNOLOGY .......... 5

Chapter 1. Virtual Communities and Social Capital ......................................................... 6  
Anita Blanchard and Tom Horan  
Claremont Graduate University, USA

Chapter 2. Human Capital Issues and Information Technology ......................... 23  
Byron L. Davis, University of Utah, USA  
Edward L. Kick, Middle Tennessee State University, USA

Chapter 3. The Progress of the Internet .............................................................. 37
Grant Blank, American University, USA

Chapter 4. The Co-Evolution of Society and Multimedia Technology .......... 46  
James Stewart and Robin Williams  
University of Edinburgh, Scotland

II. THE POLITICAL DIMENSION OF INFORMATION TECHNOLOGY ... 63

Chapter 5. The World Wide Web and Local Media in the 1996 Presidential Election ........ 64  
Patrick Novotny, Georgia Southern University, USA

Eric Riedel, Marc J. Wagener, Libby Dresel,  
John L. Sullivan, and Eugene Borgida  
University of Minnesota, USA

Chapter 7. Ethics, Law, and Information Technology: The Transformative Role of Rhetoric 109  
Brian M. O’Connell, Central Connecticut State University, USA
Chapter 8. Creating a Democratic Public Sphere through ...................... 121
Political Discussion
Steven M. Schneider, State University of New York, USA

III. THE EDUCATIONAL DIMENSION OF ................................................. 140
INFORMATION TECHNOLOGY

Chapter 9. Changing Roles in Information Dissemination and Education ..... 141
Brian Kroeker, University of British Columbia, Canada

Chapter 10. Technological Change, Virtual Learning, and Higher Education: Prospects, Problems, Potentials
Mark A. Shields, University of Virginia, USA

Chapter 11. The Role of Information Technology in Quality Education ........ 177
G. David Garson, North Carolina State University, USA

Chapter 12. The Paradox of Paperless Classes .................................... 198
Paula Lackie, Carleton College, USA

IV. THE PERSONAL DIMENSION OF ...................................................... 212
INFORMATION TECHNOLOGY

Chapter 13. Personal Computers, Mass Media, and Other Uses of Free Time 213
John P. Robinson, University of Maryland, USA
Meyer Kestnbaum, University of Maryland, USA
Andrew Kohut, Pew Center, USA

Chapter 14. Manufacturing Knowledge: Technology, Culture, and Social Inequality at Work
Steven Vallas, Georgia Institute of Technology, USA

Chapter 15. Researching Telework: Past Concerns and Future Directions .... 255
Nicole B. Ellison, University of Southern California, USA

V. THE INTERNATIONAL DIMENSION OF .............................................. 277
INFORMATION TECHNOLOGY

Chapter 16. The Information Age: Apartheid, Cultural Imperialism, .......... 278
or Global Village?
R. Alan Hedley, University of Victoria, Canada

Approaches Outside the “Global Village”
Karina Funk, Ernst & Young Center for Business Innovation, USA