
Contents

Preface	VII
Acknowledgements	IX
Contributors	XIII
1 Ubiquitous Computing for Electronic Business	
<i>George Roussos</i>	1
<hr/>	
Part I Technology	
<hr/>	
2 Supply Chain Management Standards in Ubiquitous Commerce	
<i>George Roussos</i>	15
3 Optimizing Business Processes by Automatic Data Acquisition: RFID Technology and Beyond	
<i>Gregor Hackenbroich, Christof Bornhövd, Stephan Haller, and Joachim Schaper</i>	33
4 RFID in Movable Asset Management	
<i>Matthias Lampe, Martin Strassner, and Elgar Fleisch</i>	53
<hr/>	
Part II Business	
<hr/>	
5 Ubiquitous Services: Extending Customer Relationship Management	
<i>Anatole Gershman and Andrew Fano</i>	75
6 The Business Value of Ubiquitous Computing Technologies	
<i>Elgar Fleisch and Christian Tellkamp</i>	93

7 Ubiquitous Computing, Customer Tracking, and Price Discrimination
Alessandro Acquisti 115

8 The Design of Pervasive Retail Experiences
Panos Kourouthanassis and George Roussos 133

Part III Society

9 Legal Challenges to Ubiquitous Commerce
Olli Pitkänen 157

10 Thoughts on Retail System Design to Support Polimorphic Actions Among Clerks: That'll Be \$20 — But if You Buy Two, I'll Knock off 10%
Tony Salvador, Kenneth T. Anderson, and John W. Sherry 167

11 Privacy Protection and RFID
Simson Garfinkel 177

The Code of Fair Information Practices 189

The ISTAG Maria Scenario 191

Index 193