Contents

Part I Consumer Intelligence and Analytics

A Method for Analysing Large-Scale UGC Data for Tourism: Application to the Case of Catalonia .................................................. 3
Estela Marine-Roig and Salvador Anton Clave

A Visual Analysis of Social Influencers and Influence in the Tourism Domain ................................................................. 19
Chiara Francalanci and Ajaz Hussain

What Types of Hotels Make Their Guests (Un)Happy? Text Analytics of Customer Experiences in Online Reviews .................. 33
Zheng Xiang, Zvi Schwartz, and Muzaffer Uysal

Analysing User Reviews in Tourism with Topic Models ..................... 47
Marco Rossetti, Fabio Stella, Longbing Cao, and Markus Zanker

Listen to Your Customers! How Hotels Manage Online Travel Reviews. The Case of Hotels in Lugano .......................................... 59
Silvia De Ascaniis, Alessia Borrè, Elena Marchiori, and Lorenzo Cantoni

Information Gathering by Ubiquitous Services for CRM in Tourism Destinations: An Explorative Study from Sweden .................. 73
Nina Kolas, Wolfram Höpken, Matthias Fuchs, and Maria Lexhagen

An Analysis of Consumer Search Patterns in the German Airline Market Using Panel Data .................................................. 87
Christopher P. Holland, Julia A. Jacobs, and Stefan Klein

Behaviour of Virtual Visitor Based on E-Shop and DMO Websites: A Comparative Study by Means of Data Mining Techniques .......... 101
Fidel Rebón, Gloria Ocáriz, Jon Argandoña, Jon Kepa Gerrikagoitia, and Aurkene Alzua-Sorzabal
An Auto-Coding Process for Testing the Cognitive-Affective and Conative Model of Destination Image ........................................... 111
Ainhoa Serna, Elena Marchiori, Jon Kepa Gerrikagoitia, Aukene Alzua-Sorzaabal, and Lorenzo Cantoni

OpeNER: Open Tools to Perform Natural Language Processing on Accommodation Reviews ................................................. 125
Aitor García-Pablos, Montse Cuadros, and Maria Teresa Linaza

An Application of Apriori Algorithm Association Rules Mining to Profiling the Heritage Visitors of Macau .................................. 139
Shanshan Qi and Cora Un In Wong

Part II Data Management
Integration of Data Mining Results into Multi-dimensional Data Models ............................................................... 155
Volker Meyer, Wolfram Höpken, Matthias Fuchs, and Maria Lexhagen

A Practical Approach to Big Data in Tourism: A Low Cost Raspberry Pi Cluster ......................................................... 169
Mariano d'Amore, Rodolfo Baggio, and Enrico Valdani

Methodology for the Publication of Linked Open Data from Small and Medium Size DMOs ................................................. 183
Ander García, Maria Teresa Linaza, Javier Franco, and Miriam Juaristi

Linked Data for Cross-Domain Decision-Making in Tourism ................................................................. 197
Marta Sabou, Adrian M.P. Brașoveanu, and Irem Önder

Part III Social Media
Travel Social Media Involvement: A Proposed Measure ................................................................. 213
Suzanne Amaro and Paulo Duarte

Mediating Roles of Self-image Expression: Sharing Travel Information of SNSs ................................................................. 227
Chulmo Koo, Youhee Joun, Heejeong Han, and Namho Chung

Social Media Return on Investment and Performance Evaluation in the Hotel Industry Context ........................................... 241
Dimitrios Buhalis and Emmanouil Mamalakis

An Exploratory Study on Social Media in China ................................................................. 255
Li Li, Siming Zheng, and Zihao Wang

Social Media on Smartphones for Restaurant Decision-Making Process ................................................................. 269
Jooyoung Hwang and Sangwon Park
The Social Impact of Events in Social Media Conversation ........................................ 283
Alessandro Inversini, Rogan Sage, Nigel Williams, and Dimitrios Buhalis

Destination Brand Communication Through the Social Media: What Contents Trigger Most Reactions of Users? ................................................................. 295
Assumpcio Huertas and Estela Marine-Roig

@Spain Is Different: Co-branding Strategies Between Spanish National and Regional DMOs on Twitter ................................................................. 309
Frederic Guerrero-Solé and José Fernández-Cavia

"This City Is Absolutely Fun and Trendy" A Destination Brand Personality Analysis in a Web 2.0 Setting ................................................................. 321
Astrid Dickinger and Lidija Lalicic

Reframing the Image of a Destination: A Pre-Post Study on Social Media Exposure ................................................................. 335
Elena Marchiori and Irem Önder

Studying Online Contents Navigation: A Comparison Between Eye-Tracking Technique and Self-Reported Investigation ................................................................. 349
Elena Marchiori and Lorenzo Cantoni

Part IV eTourism and Smart Destinations

Smart Tourism Destinations: An Extended Conception of Smart Cities Focusing on Human Mobility ................................................................. 363
Carlos Lamsfus, David Martín, Aurkene Alzua-Sorzabal, and Emilio Torres-Manzanera

Smart Tourism Destinations Enhancing Tourism Experience Through Personalisation of Services ................................................................. 377
Dimitrios Buhalis and Aditya Amaranggana

Conceptualising Smart Tourism Destination Dimensions ................................................................. 391
Kim Boes, Dimitrios Buhalis, and Alessandro Inversini

Strategic E-Tourism Alternatives for Destinations ................................................................. 405
María del Carmen Calatrava Moreno, Gernot Hörhager, Rainer Schuster, and Hannes Werthner

The Rise of eTourism for Development ................................................................. 419
Alessandro Inversini, Isabella Rega, Isabella Nunes Pereira, and Roberto Bartholo

Part V Intelligence Systems: Mobile, Wearable, and Sensor

The Acceptance of NFC Smart Posters in Tourism ................................................................. 435
Kim Boes, Larissa Borde, and Roman Egger
Exhibition Attendees’ Smart Technology Actual Usage: A Case of Near Field Communications
Heejeong Han, Namho Chung, Chulmo Koo, and Kyoung Jun Lee

Google Glass Augmented Reality: Generic Learning Outcomes for Art Galleries
M. Claudia Leue, Timothy Jung, and Dario tom Dieck

Examining the Cultural Differences in Acceptance of Mobile Augmented Reality: Comparison of South Korea and Ireland
Hyunae Lee, Namho Chung, and Timothy Jung

Investigating User’s Information Needs and Attitudes Towards Proactivity in Mobile Tourist Guides
Adem Sabic and Markus Zanker

Mobile Technologies Effects on Travel Behaviours and Experiences: A Preliminary Analysis
Roberta Minazzi and Aurelio G. Mauri

Transportation Mode Annotation of Tourist GPS Trajectories Under Environmental Constraints
Hidekazu Kasahara, Mikihiko Mori, Masayuki Mukunoki, and Michihiko Minoh

User Personality and the New User Problem in a Context-Aware Point of Interest Recommender System
Matthias Braunhofer, Mehdi Elahi, and Francesco Ricci

Spatiotemporal Analysis of Rambling Activities: Approach to Inferring Visitor Satisfaction
Masakatsu Ohta, Yuta Watanabe, and Toshiaki Miyazaki

Tourists and Municipal Wi-Fi Networks (MWN): The Case of Lugano (Switzerland)
Anna Picco-Schwendener and Lorenzo Cantoni

Part VI Tourism Website Analytics

Drivers of Responsive Website Design Innovation by Destination Marketing Organizations
Chris Gibbs and Ulrike Gretzel

Perceived Usability, Attractiveness and Intuitiveness of Responsive Mobile Tourism Websites: A User Experience Study
Aleksander Groth and Daniel Haslwanter

Visual Appeal of Hotel Websites: An Exploratory Eye Tracking Study on Chinese Generation Y
Jin-Xing Hao, Rui Tang, Yan Yu, Nao Li, and Rob Law
Hotel Attributes and Visual Image: A Comparison Between Website and User-Generated Photos ............................... 621
Francesca Negri and Vania Vigolo

Corporate Identity Communication on Corporate Websites: Evidence from the Hong Kong Hotel Industry .............................. 635
Ibrahim Mohammed, Basak Denizci Guillet, and Rob Law

How Effective Are Asian Hotels in Communicating CSR Efforts Through the Property Websites? The Case of Hong Kong ............................... 651
Elise Wong, Rosanna Leung, and Rob Law

Part VII Distribution Systems

Distribution Channels for Travel and Tourism: The Case of Crete .... 667
Paraskevi Fountoulaki, M. Claudia Leue, and Timothy Jung

The Impact of Attribute Preferences on Adoption Timing of Hotel Distribution Channels: Are OTAs Winning the Customer Race? .......................... 681
Miriam Scaglione and Roland Schegg

Travellers' Intended Future Trip Arrangement Strategies for Things to Do During a Trip: Implications for Travel Distribution ...................... 695
Niklas Eriksson

Offline Versus Online Intermediation: A Study of Booking Behaviour of Tourists Travelling to Sardinia ............................... 709
Giacomo Del Chiappa and Andrea Zara

An Investigation of Hotel Room Reservation: What Are the Diverse Pricing Strategies Among Competing Hotels? ............................... 723
Sunny Sun, Rob Law, Markus Schuckert, and Lawrence Hoc Nang Fong

Dynamic Pricing Patterns on an Internet Distribution Channel: The Case Study of Bilbao’s Hotels in 2013 ............................... 735
Noelia Oses Fernandez, Jon Kepa Gerrikagoitia, and Aurkene Alzua-Sorzabal

Using Technology to Align the Needs of Corporate Travel Managers with the Functions of Travel Management Companies .................. 749
Anneli Douglas, Berendien Lubbe, and Jarmo Ritalahti

An Examination of the E-Bookers and E-Browsers in Emerging Markets: Online Browsing Behaviour in Independent Hotels in Hoi An ........ 763
Hilary Catherine Murphy, Yung Dang, and Meng-Mei Chen

Part VIII ICT and Tourism Experiences

Changing Practices/New Technologies: Photos and Videos on Vacation ................................................................. 777
Anja Dinhopl and Ulrike Gretzel
Technology as a Catalyst of Change: Enablers and Barriers of the Tourist Experience and Their Consequences .......................... 789
Barbara Neuhofer, Dimitrios Buhalis, and Adele Ladkin

Disconnected and Unplugged: Experiences of Technology Induced Anxieties and Tensions While Traveling ................................. 803
Cody Morris Paris, Edward Alexander Berger, Simon Rubin, and Mallory Casson

An Exploratory Study on Drivers and Deterrents of Collaborative Consumption in Travel .................................................. 817
Iis P. Tussyadiah

Senior Travellers as Users of Online Travel Services: A Qualitative Enquiry ................................................................. 831
Juho Pesonen, Raija Komppula, and Annina Riihinen

Part IX e-Learning

Online Learning and MOOCs: A Framework Proposal .................... 847
Jamie Murphy, Nadzeya Kalbaska, Laurel Horton-Tognazzini, and Lorenzo Cantoni

The Evolution of eTourism Research: A Case of ENTER Conference ... 859
Shahab Pourfakhimi and Tianyu Ying

Investigating E-learning Effects on Continuance Intentions of Hospitality Management Students ............................................. 873
Tsong-Zen Liu, Tai-Yi Huang, and Chia-Shiang Hsu