

Preface

Tourism informatics research has been developed in this decade and is one of the promising fields to apply various types of information and communication technologies. In this book, the former Chaps. 1–6 are concerned with data analysis, web technologies, social media, and their case studies. The rest chapters are concerned with recommendation, personalization, and other emerging technologies. In Chap. 1, Masaki Samejima proposes the support system for the collaborative tourism planning by using the case reports that are collected via Internet. In Chap. 2, Kenta Oku proposes a novel recommender system for tourist spots using one-class support vector machine. Sachio Hirokawa, in Chap. 3, proposes the method of connecting related words to the place-name which does not appear explicitly in a blog article paying attention to the hierarchical structure of place-names. In Chap. 4, Tetsuya Nakatoh proposes a method to extract tourism objects from Blogs and evaluates the object noun of the tourist behavior acquired with the proposal method, and show that acquisition of useful information is possible. In Chap. 5, Yi-Fang Kao introduces a case study on Innovative Regional Tourism using microfilm. In Chap. 6, Kazutaka Shimada proposes a method for estimating onsite likelihood of tweets for tourism. Mohammad Shamsul Arefin, in Chap. 7, presents a system for recommending hotels for the users and evaluates the effectiveness of the proposed methods. In Chap. 8, Fumito Masui presents a method for interactive retrieval of information on accommodation facilities to support traveling customers in their travel preparations. In Chap. 9, Hiroyuki Nakamura proposes an adaptive user interface for personalized transportation guidance system. In Chap. 10, Kazutaka Shimada clarifies the effectiveness of time sequence information on a sightseeing spot recommendation system. In Chap. 11, Ubon Thongsatapornwatana proposes the use of reputation algorithm to detect the criminal/suspect vehicles that cross the checkpoint whose

license plates match with the blacklist in the checkpoint database. The paper focuses on the defense of border, but this is an important contribution to keep safety and security after the success of tourism industries.

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Tourism Informatics

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