# Contents

Part I  Background and Fundamentals

1  Automatic Text Summarization: Past, Present and Future .......... 3
   Horacio Saggion and Thierry Poibeau

2  Information Extraction: Past, Present and Future .................. 23
   Jakub Piskorski and Roman Yangarber

Part II  Named Entity in a Multilingual Context

3  Learning to Match Names Across Languages ....................... 53
   Inderjeet Mani, Alex Yeh, and Sherri Condon

4  Computational Methods for Name Normalization Using
   Hypocoristic Personal Name Variants ............................ 73
   Patricia Driscoll

5  Entity Linking: Finding Extracted Entities in a Knowledge Base ... 93
   Delip Rao, Paul McNamee, and Mark Dredze

6  A Study of the Effect of Document Representations in
   Clustering-Based Cross-Document Coreference Resolution .......... 117
   Horacio Saggion

Part III  Information Extraction

7  Interactive Topic Graph Extraction and Exploration of
   Web Content ............................................................... 137
   Günter Neumann and Sven Schmeier

8  Predicting Relevance of Event Extraction for the End User ........ 163
   Silja Huttunen, Arto Vihavainen, Mian Du, and Roman Yangarber
9 Open-Domain Multi-Document Summarization via Information Extraction: Challenges and Prospects .............................. 177
   Heng Ji, Benoit Favre, Wen-Pin Lin, Dan Gillick, Dilek Hakkani-Tur, and Ralph Grishman

Part IV Multi-Document Summarization

10 Generating Update Summaries: Using an Unsupervised Clustering Algorithm to Cluster Sentences ........................................... 205
   Aurélien Bossard

11 Multilingual Statistical News Summarization .......................................... 229
   Mijail Kabadjov, Josef Steinberger, and Ralf Steinberger

12 A Bottom-Up Approach to Sentence Ordering for Multi-Document Summarization ....................................................... 253
   Danushka Bollegala, Naoaki Okazaki, and Mitsuru Ishizuka

13 Improving Speech-to-Text Summarization by Using Additional Information Sources ...................................................... 277
   Ricardo Ribeiro and David Martins de Matos

14 Multi-Document Summarization Techniques for Generating Image Descriptions: A Comparative Analysis ............. 299
   Ahmet Aker, Laura Plaza, Elena Lloret, and Robert Gaizauskas

Index ........................................................................................................... 321
Multi-source, Multilingual Information Extraction and Summarization
Poibeau, T.; Saggion, H.; Piskorski, J.; Yangarber, R. (Eds.)
2013, XX, 324 p., Hardcover
ISBN: 978-3-642-28568-4