

# Contents

## Part I Smart Information Aggregation Services

<b>1</b>	<b>Intelligent News Aggregator for German with Sentiment Analysis . . . . .</b>	<b>5</b>
	Danuta Ploch	
<b>2</b>	<b>Twitter Sentiment Tracking for Predicting Marketing Trends. . . .</b>	<b>47</b>
	Cagdas Esiyok and Sahin Albayrak	
<b>3</b>	<b>Health Assistance for Immigrants . . . . .</b>	<b>75</b>
	Till Plumbaum, Funda Klein-Ellinghaus, Anna Reeske, Kristin Pelz and Frank Hopfgartner	
<b>4</b>	<b>Information Aggregation in an Enterprise . . . . .</b>	<b>99</b>
	Erwin Gunadi and Sahin Albayrak	

## Part II Personalization and Recommendation Services

<b>5</b>	<b>Semantic Movie Recommendations . . . . .</b>	<b>125</b>
	Andreas Lommatzsch	
<b>6</b>	<b>News Recommendation in Real-Time. . . . .</b>	<b>149</b>
	Benjamin Kille, Andreas Lommatzsch and Torben Brodt	
<b>7</b>	<b>Personalized Information Access Using Semantic Knowledge . . . .</b>	<b>181</b>
	Till Plumbaum and Andreas Lommatzsch	
<b>8</b>	<b>Personalized Fashion Advice . . . . .</b>	<b>213</b>
	Till Plumbaum and Benjamin Kille	

<b>9</b>	<b>Gamification of Workplace Activities . . . . .</b>	<b>239</b>
	Michael Meder, Brijnesh Johannes Jain, Till Plumbaum and Frank Hopfgartner	
 <b>Part III Sensor-Based Knowledge Acquisition and Signal Processing Services</b>		
<b>10</b>	<b>Optimization of In-House Energy Demand . . . . .</b>	<b>271</b>
	Stephan Spiegel	
<b>11</b>	<b>Detecting Violent Content in Hollywood Movies and User-Generated Videos . . . . .</b>	<b>291</b>
	Esra Acar, Melanie Irrgang, Dominique Maniry and Frank Hopfgartner	
<b>12</b>	<b>Discovery of Driving Behavior Patterns . . . . .</b>	<b>315</b>
	Stephan Spiegel	
<b>13</b>	<b>Intermodal Mobility Assistance for Megacities . . . . .</b>	<b>345</b>
	Esra Acar, Marco Lützenberger and Marius Schulz	
	<b>Index . . . . .</b>	<b>369</b>

Smart Information Systems

Computational Intelligence for Real-Life Applications

Hopfgartner, F. (Ed.)

2015, XII, 372 p. 133 illus., 12 illus. in color., Hardcover

ISBN: 978-3-319-14177-0