## Table of Contents

### Semantic Services

- **A Conversational Approach to Semantic Web Service Selection**
  Friederike Klan and Birgitta König-Ries
  1

- **DS³I - A Dynamic Semantically Enhanced Service Selection Infrastructure**
  Christoph Fritsch, Peter Bednar, and Günther Pernul
  13

- **A Design Pattern to Decouple Data from Markup**
  Balwinder Sodhi and T.V. Prabhakar
  25

### Business Processes and Services

- **Context-Based Service Recommendation for Assisting Business Process Design**
  Nguyen Ngoc Chan, Walid Gaaloul, and Samir Tata
  39

- **Composite Process View Transformation**
  David Schumm, Jiayang Cai, Christoph Fehling, Dimka Karastoyanova, Frank Leymann, and Monika Weidmann
  52

- **A Multi-layer Approach for Customizing Business Services**
  Yehia Taher, Rafiqul Haque, Michael Parkin, Willem-Jan van den Heuvel, Ita Richardson, and Eoin Whelan
  64

- **Process Mining for Electronic Data Interchange**
  Robert Engel, Worarat Krathu, Marco Zapletal, Christian Pichler, Wil M.P. van der Aalst, and Hannes Werthner
  77

### Context-Aware Recommender Systems

- **InCarMusic: Context-Aware Music Recommendations in a Car**
  Linas Baltrunas, Marius Kaminskas, Bernd Ludwig, Omar Moling, Francesco Ricci, Aykan Aydin, Karl-Heinz Lüke, and Roland Schwaiger
  89

- **Semantic Contextualisation of Social Tag-Based Profiles and Item Recommendations**
  Iván Cantador, Alejandro Bellogín, Ignacio Fernández-Tobías, and Sergio López-Hernández
  101
Intelligent Agents and E-Negotiation Systems

Multi-agent Negotiation in Electricity Markets

Fernando Lopes and Helder Coelho

How to Make Specialists NOT Specialised in TAC Market Design Competition? Behaviour-Based Mechanism Design

Dengji Zhao, Dongmo Zhang, and Laurent Perrussel

Argumentation with Advice

John Debenham and Carles Sierra

Collaborative Filtering and Preference Learning

On Collaborative Filtering Techniques for Live TV and Radio Discovery and Recommendation

Alessandro Basso, Marco Milanesio, André Panisson, and Giancarlo Ruffo

Rating Elicitation Strategies for Collaborative Filtering

Mehdi Elahi, Valdemaras Repsys, and Francesco Ricci

Information Retrieval and Folksonomies together for Recommender Systems

Max Chevalier, Antonina Dattolo, Gilles Hubert, and Emanuela Pitassi

An Exploratory Work in Using Comparisons Instead of Ratings

Nicolas Jones, Armelle Brun, Anne Boyer, and Ahmad Hamad

Social Recommender Systems

Understanding Recommendations by Reading the Clouds

Fatih Gedikli, Mouzhi Ge, and Dietmar Jannach

Recommendation by Example in Social Annotation Systems

Jonathan Gemmell, Thomas Schimoler, Bamshad Mobasher, and Robin Burke

Agent Interaction and Trust Management

Trust-Based Selection of Partners

Maria Joana Urbano, Ana Paula Rocha, and Eugénio Oliveira

A High-Level Agent Interaction Protocol Based on a Communication Ontology

Roman Popp and David Raneburger
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>When Trust Is Not Enough</td>
<td>246</td>
</tr>
<tr>
<td><em>John Debenham and Carles Sierra</em></td>
<td></td>
</tr>
<tr>
<td><strong>Innovative Strategies for Preference Elicitation and Profiling</strong></td>
<td></td>
</tr>
<tr>
<td>LocalRank - Neighborhood-Based, Fast Computation of Tag Recommendations</td>
<td>258</td>
</tr>
<tr>
<td><em>Marius Kubatz, Fatih Gedikli, and Dietmar Jannach</em></td>
<td></td>
</tr>
<tr>
<td>Random Indexing and Negative User Preferences for Enhancing Content-Based Recommender Systems</td>
<td>270</td>
</tr>
<tr>
<td><em>Cataldo Musto, Giovanni Semeraro, Pasquale Lops, and Marco de Gemmis</em></td>
<td></td>
</tr>
<tr>
<td>Using User Personalized Ontological Profile to Infer Semantic Knowledge for Personalized Recommendation</td>
<td>282</td>
</tr>
<tr>
<td><em>Ahmad Hawalah and Maria Fasli</em></td>
<td></td>
</tr>
<tr>
<td>Beyond Similarity-Based Recommenders: Preference Relaxation and Product Awareness</td>
<td>296</td>
</tr>
<tr>
<td><em>Maciej Dabrowski and Thomas Acton</em></td>
<td></td>
</tr>
<tr>
<td><strong>Author Index</strong></td>
<td>309</td>
</tr>
</tbody>
</table>