



WIMS'11

Proceedings of the International Conference on

Web Intelligence, Mining and Semantics

Sogndal, Norway
May 25 - 27, 2011

Edited by
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Welcome Message from the Organising Committee Chair

Dear Colleagues and Friends,

It is with great pleasure, and on behalf of the organizing committee, I would like to welcome you to the International Conference on Web Intelligence, Mining and Semantics (WIMS'11) taking place in May 25th-27th in Sogndal, Norway.

The conference is initiated and organized by Western Norway Research Institute, as part of the celebration of our 25th anniversary. Western Norway Research Institute is an assignment-based research institute working on international research and with regional entrenchment. We have a cross-disciplinary staff with competence in the academic fields of social studies, natural sciences, technology and the humanities. Our research areas are Sustainable Tourism and Sustainable Mobility, Local Climate Policy, Innovation and Regional Development as well as Semantic Web Technologies, Human Computer Interface and Information Architecture.

This conference, the first in a new series of conferences, is intended to stimulate discussions on the forefront of research concerned with intelligent approaches to transform the World Wide Web into a global reasoning and semantics-driven computing machine. Looking back, the WIMS'11 conference is an appropriate event to reflect on the successes and misses of the 10 years that have passed since the famous scientific article by Berners-Lee, Lassila and Hendler was published in May 2001.

I trust that the scope of the WIMS'11 will serve the interest of the scientific community, as well as the industry and the general public.

But first and foremost I wish you an excellent stay in Sogndal, a beautiful and peaceful spot among the spectacular fjords in Western Norway. The Western Norwegian Fjords are listed by UNESCO on the World Heritage List and the Sognefjord region is prized by National Geographic Traveler for the unspoiled fjord and the glaciers, mountains and cascading waterfalls, that offer excellent opportunities to ice-climbing, glacier walking, hiking and year-round skiing. This has made Sogn a favorite destination for excitement- and activity-seeking visitors and residents. Enjoy the treasures of Norwegian hospitality, and also make time for some leisure in and around Sognefjord.

I look forward to your participation in the rich scientific program as well as enjoying the social gathering during the WIMS'11. I am delighted to see you in Sogndal!

Agnes Landstad

Managing Director

Western Norway Research Institute

Foreword from the Program Chair

It is our great pleasure and honor to present the program of WIMS'11.

A total of 170 submissions were received, of which 44 full papers and 11 posters were accepted for presentation at the conference and publication in the electronic proceedings and ACM's Digital Library. To cope with timing constraints and allow for sufficient time for interactions and poster sessions during the conference, 44 papers were given a 30-minute presentation slot and 11 papers were given an opportunity for poster presentation. All accepted papers in each category were given the same maximum number of pages in the proceedings.

Each of the 170 submissions received exactly 2 reviews, a remarkable result, for which I am grateful to the members of the Program Committee. In a few cases, we conducted an on-line discussion of the reviews and author responses, before reaching a final decision on the selected papers. The result is, I believe, a high-quality program that covers a wide spectrum of topics, including semantics-driven information retrieval, semantic agent, intelligent e- Technologies, linked data applications, web mining, knowledge representation formalisms, semantic search, social network analysis and ontology engineering.

Moreover, the 1st International Workshop on Social Data Mining for Human Behaviour Analysis is organised in conjunction with WIMS'11. 6 full papers will be presented in the workshop on 27 May.

Additionally, as an innovation for WIMS'11, some time at the conference will be set aside for "late-breaking news" presentations submitted on the basis of a two-page abstract. These presentations are meant as informal forum to encourage discussion. This session divided into two parts: a presentation part open to all in which all participating projects present themselves; and an interaction part restricted to participating projects and attendees for one-on-one meetings.

This conference also features 5 distinguished keynote addresses, 3 tutorials, panel discussion on *future of Semantic Web*, and noteworthy *Perl* Hacker's bootcamp.

Constructive reviewer feedback is one of the keys to a high-quality conference year after year, because it encourages each of us, as researchers, to make our work more complete, or to reach a little further. I would like to thank all the members of the WIMS'11 Advisory and Program Committees for their guidance and hard work which made this conference possible. Though it is a new conference, WIMS'11 is very fortunate to have such enthusiastic authors, PC members, Advisory members, and all others who share our WIMS vision of building remarkable research conference about intelligent approaches to transform the World Wide Web into a global reasoning and semantics-driven computing machine. I also thank all authors for choosing WIMS as a forum to publish their research. I would also like to thank members of the WIMS Organising Committee, for their valuable support. Special thanks go to WIMS'12 and WIMS'13 organizers for taking initiative and responsibility of organizing WIMS in Craiova (Romania) and Madrid (Spain) respectively.

I wish to thank EasyChair administrator, who helped us with the electronic submission and review system. I greatly appreciate our all supporters and sponsoring organisations including the Research Council of Norway. Finally, I thank ACM for its support and the cooperation.

I hope that you will find this program interesting and thought-provoking and that the conference will continue to provide you with a valuable opportunity to share ideas with other researchers and practitioners from institutions around the world.

Rajendra Akerkar

Vestlandsforskning, Norway

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Linked Open Data Around-The-Clock (LATC),
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