

## Dominik Slezak

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**From:** wic-office@wi-consortium.org  
**Sent:** November 30, 2009 11:32 AM  
**To:** Dominik Slezak  
**Subject:** IEEE/WIC/ACM WI 2010 - Call for Papers

[Apologies if you receive this more than once]

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IEEE/WIC/ACM WEB INTELLIGENCE 2010  
CALL FOR PAPERS  
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2010 IEEE/WIC/ACM International Conference on Web Intelligence (WI-10)

August 31 - September 3, 2010, York University, Toronto, Canada

<http://www.yorku.ca/wiat10>

Sponsored By  
IEEE Computer Society  
Web Intelligence Consortium (WIC)  
Association for Computing Machinery (ACM)

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# Papers Due: *** March 26, 2010 ***  
# Accepted papers will be published in the conference proceedings # by the IEEE Computer  
Society Press.  
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WI 2010 will provide a leading international forum of scientific research and development to explore the fundamental interactions between AI-engineering and Advanced Information Technology (e.g., wireless networks, ubiquitous devices, social networks, and data/knowledge grids), and their role on the next generation of Web-empowered products, Web systems and services. AI-engineering refers to a new area, slightly beyond traditional AI, which encompasses:

brain informatics, human level AI, intelligent agents, social network intelligence, knowledge engineering, representation, planning, data mining and discovery.

WI 2010 will be jointly held with the 2010 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT-10). The two conferences will have a joint opening, keynote, reception, and banquet. Attendees only need to register for one conference and can attend workshops, sessions, tutorials, panels, exhibits and demonstrations across the two conferences. We are also planning a joint panel, joint paper sessions, and a doctoral mentoring program to discuss common problems in the two areas.

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Topics of Interest  
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We invite submissions in all WI related areas. Areas of interest include, but are not limited to:

\* WI Foundations

- Brain Informatics for WI
  - Human Level WI
  - New Cognitive Models and Computational Models for WI
  - Granular Computing (GrC) for WI
  - Soft Computing for WI
  - Autonomy-Oriented Computing (AOC) for WI
  - Human-Inspired WI Computing
- \* World Wide Wisdom Web (W4)
    - Meta-Knowledge Discovery and Representation
    - Problem Solver Markup Language (PSML)
    - Search of Best Means and Ends
    - Goal-Directed Services Support
    - Distributed Resources Optimization
    - Service Self-Aggregation
    - Web Inference Engine
    - Information and Knowledge Markets
    - New Social Interaction Paradigms
    - Social and Psychological Contexts Regularities and Laws of W4
- \* Web Information Retrieval and Filtering
    - Web Information Retrieval in context
    - Multimedia Indexing
    - Personalization
    - Location-based Information Retrieval
    - Geographic information retrieval
    - Content-based Information Filtering
    - Collaborative Filtering and Recommendation
    - Hybrid Recommendation
    - Clustering-Based Recommender Systems
    - Information Retrieval Models and Evaluations
    - Web Information Categorization
    - Ranking Techniques
    - Proxy and Cache Techniques
    - Web Prediction and Pre-fetching
    - Distributed Web Search
    - Specifications for Web Information Extraction Process
    - Web Crawling Systems
    - Search Engines and Meta-search Engines
- \* Semantics and Ontology Engineering
    - Semantic Web
    - Ontology-Based Information Extraction and Retrieval
    - Ontology-Based Web Mining
    - Web-Based Ontology Learning
    - Web Scale Reasoning
    - Commonsense Knowledge Processing on the Web
    - Unifying Search and Reasoning
- \* Web Mining and Farming
    - Text Mining
    - Data Stream Mining
    - Multimedia Data Mining
    - Web Content Mining
    - Web Log and Usage Mining
    - Context Sensitive Web Mining
    - Web Information Clustering

- Web Page Clustering and Mining
  - Data Warehousing
  - Web Farming and Warehousing
- \* Social Networks and Ubiquitous Intelligence
    - Social Networks Theory, Models, and Mining
    - Web Site Clustering
    - Web 2.0
    - Link Topology and Link Analysis
    - Theories of Small-World Web
    - Virtual and Web Communities
    - Web-Based Cooperative Work
    - Knowledge Community Formation and Support
    - Ubiquitous and Social Computing
    - Intelligent Wireless Web
    - Entertainment
    - Social Media
    - Human Computation and Social Games
    - Opinion Mining and Sentiment Analysis
    - Social Monetization and Computational Advertising
- \* Knowledge Grids and Grid Intelligence
    - Semantic Grids
    - Knowledge Resources and Services Discovery
    - On-Demand Planning and Routing
    - Brokering and Scheduling
    - Middleware Architectures and Tools
- \* Web Agents
    - Global Information Foraging
    - Distributed Problem Solving
    - Coordination
    - Resource Intermediary and Coordination Mechanisms
    - Self-Organization and Reproduction
    - Agent Networks and Topologies
    - Mobile Agents
    - Macroscopic Behavior Modeling
    - Trust Models for Web Agents
- \* Web Services
    - Service-Oriented Computing
    - Matchmaking
    - Web Service Reconfiguration
    - Web Service Workflow Composition
    - Middleware-Based Ubiquitous Services
    - Grid Services
- \* Intelligent Human-Web Interaction
    - Adaptive Web Interfaces
    - Context-Aware Computing
    - Emotional Factor
    - Learning User Profiles
    - Multimedia Representation
    - Personalized Interfaces
    - Personalized Websites
    - Remembrance Agents
    - Smart Digital Media

- Cyberpsychology for HCI
- User Interests and User Modeling
- Visualization of Information and Knowledge
- Social and Psychological Issues

\* Web Support Systems

- Information Retrieval Support Systems
- Web Site Navigation Support Systems
- Recommender Support Systems
- Web-Based Decision Support Systems
- Soft Computing (including neural networks, fuzzy logic, evolutionary computation, rough sets, and granular computing) and Uncertainty Management for WI

\* Intelligent e-Technology

- Business Intelligence
- Intelligent Enterprise Portals
- Web-Based Direct Marketing and CRM
- Web-Based EDI
- Digital Libraries
- e-Publishing
- e-Business and e-Commerce
- e-Things and e-Activities
- e-Finance
- e-Learning
- e-Medicine
- e-Science
- e-Government
- e-Community Decentralized Community Communication Techniques
- Web Security, Integrity, Privacy and Trust

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 On-Line Submissions and Publication  
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High-quality papers in all WI related areas are solicited.

Paper submissions should be limited to a maximum of 8 pages in the IEEE 2-column format. The same format will be used for final camera-ready papers (see the Author Guidelines at [http://www.ieeeconfpublishing.org/cpir/AuthorKit.asp?Community=CPS&Facility=CPS\\_Dec&ERoom=WI%2DIAT+2008](http://www.ieeeconfpublishing.org/cpir/AuthorKit.asp?Community=CPS&Facility=CPS_Dec&ERoom=WI%2DIAT+2008)).

All submitted papers will be reviewed by the Program Committee on the basis of technical quality, relevance, significance, and clarity.

Note that WI'10 will accept ONLY on-line submissions in PDF format. Please use the Submission Form on the WI'10 website to submit your paper. Accepted papers will be published in the conference proceedings by the IEEE Computer Society Press that is indexed by EI.

Submissions accepted as regular papers will be allocated 8 pages in the proceedings and accorded oral presentation in the main conference.

Submissions accepted as short papers will be allocated 4 pages in the proceedings and will have a shorter presentation time at the conference than regular papers.

All co-authors will be notified for the submission, notification, and confirmation on the attendance. Submitting a paper to the conference and workshops means that, if the paper is accepted, at least one author should attend the conference to present the paper. The acceptance list and no-show list will be openly published on-line. For no-show authors, their affiliations will receive a notification.

Authors of a selected number of WI'10 accepted papers will be invited to submit expanded and revised versions of their papers for consideration for inclusion in Web Intelligence and Agent Systems: An International Journal (<http://wi-consortium.org/journal.html>) and other related journals.

The best paper awards will be conferred at the conference on the authors of (1) the best research paper and (2) the best application paper. Application-oriented submissions will be considered for the best application paper award.

More detailed instructions and the On-Line Submission Form will be found on the WI'10 homepage:  
<http://www.yorku.ca/wiiat10/contributors.php>

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Workshops  
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An important part of the conference is the workshop program which will focus on new research challenges and initiatives. All papers accepted for workshops will be included in the Workshop Proceedings published by the IEEE Computer Society Press that are indexed by EI, and will be available at the workshops. Detailed information is available at the conference homepage.

Note: we will not have a separate workshop registration fee (i.e., conference registration covers everything).

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Tutorials  
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WI'10 also welcomes Tutorial proposals. WI'10 will include tutorials providing in-depth background on subjects that are of broad interest to the Web intelligence community. Both short (2 hours) and long (half day) tutorials will be considered. The tutorials will be part of the main conference technical program. Detailed information is available at the conference homepage.

Note: we will not have a separate tutorials registration fee (i.e., only one conference registration covers everything).

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Industry/Demo-Track  
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We solicit Industry/Demo-Track papers by the following methods.

- (1) Industry papers of 4 pages can be submitted on the same schedule as the research track.
- (2) Separate 2 page demo proposals can be submitted at a later schedule.
- (3) Full regular paper submissions can include a demo option.  
That is, a full paper submission will be asked to specify if they would like to give a demonstration; choice of demonstrations (while utilizing information from the regular reviewing process) will be selected based on value as a demonstration.

For options (1) and (2), more detailed instructions will be found at the homepage:  
<http://www.yorku.ca/wiiat10/participants.php>

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Important Dates  
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- \* Workshop proposal submission: January 1, 2010
- \* Electronic paper submission (8 pages): March 26, 2010
- \* Tutorial proposal submission: March 26, 2010
- \* Workshop paper submission: April 16, 2010
- \* Author notification: May 28, 2010
- \* Conference dates: August 31-September 3, 2010

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Conference Organization  
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Conference General Chair:

- \* Nick Cercone, York University, Toronto, Canada

Program Chair:

- \* Jimmy Huang, York University, Toronto, Canada

WI Program Co-Chairs:

- \* Vijay Raghavan, University of Louisiana, USA
- \* Irwin King, The Chinese University of Hong Kong, Hong Kong
- \* Gareth Jones, Dublin City University, Ireland

IAT Program Co-Chairs:

- \* Takahira Yamaguchi, Keio University, Japan
- \* Ali A. Ghorbani, University of New Brunswick, Canada
- \* Mohand-Said Hacid, Universite Claude Bernard Lyon 1, France

Organizing Co-Chairs:

- \* Aijun An, York University, Toronto, Canada
- \* Thomas Lynam, York University, Toronto, Canada
- \* Marshall Walker, York University, Toronto, Canada

Workshop Co-Chairs:

- \* Orland Hoeber, Memorial University of Newfoundland, Canada
- \* Yuefeng Li, Queensland University of Technology, Australia

Industry-Demo Co-Chairs:

- \* Dominik Slezak, Infobright Inc., Canada
- \* Tony Abou-Assaleh, GenieKnows.com, Canada

Tutorial Co-Chairs:

- \* Sourav Saha Bhowmick, Nanyang Technological University, Singapore
- \* Mounia Lalmas, University of Glasgow, UK

Publicity Co-Chairs:

- \* Vlado Keselj, Dalhousie University, Canada
- \* Markus Kirchberg, Institute for Infocomm Research, A\*STAR, Singapore
- \* Jianhan Zhu, University College London, UK

IEEE-CS-TCII Chair:

- \* Ning Zhong, Maebashi Institute of Technology, Japan

ACM-SIGART Chair

- \* Maria Gini, University of Minnesota, USA

WIC Co-Chairs/Directors:

- \* Ning Zhong, Maebashi Institute of Technology, Japan
- \* Jiming Liu, Hong Kong Baptist University, Hong Kong

WIC Advisory Board:

- \* Edward A. Feigenbaum, Stanford University, USA
- \* Setsuo Ohsuga, University of Tokyo, Japan
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- \* Philip Yu, University of Illinois, Chicago, USA
- \* L.A. Zadeh, University of California, Berkeley, USA

WIC Tech. Committee & WI/IAT Steering Committee:

- \* Jeffrey Bradshaw, UWF/Institute for Human and Machine Cognition, USA
- \* Nick Cercone, York University, Canada
- \* Dieter Fensel, University of Innsbruck, Austria
- \* Georg Gottlob, Oxford University, UK
- \* Lakhmi Jain, University of South Australia, Australia
- \* Jianchang Mao, Yahoo! Inc., USA
- \* Pierre Morizet-Mahoudeaux, Compiegne University of Technology, France
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- \* Toyoaki Nishida, Kyoto University, Japan
- \* Andrzej Skowron, Warsaw University, Poland
- \* Jinglong Wu, Okayama University, Japan
- \* Xindong Wu, University of Vermont, USA
- \* Yiyu Yao, University of Regina, Canada

\*\*\* Contact Information \*\*\*

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The WIC Office

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