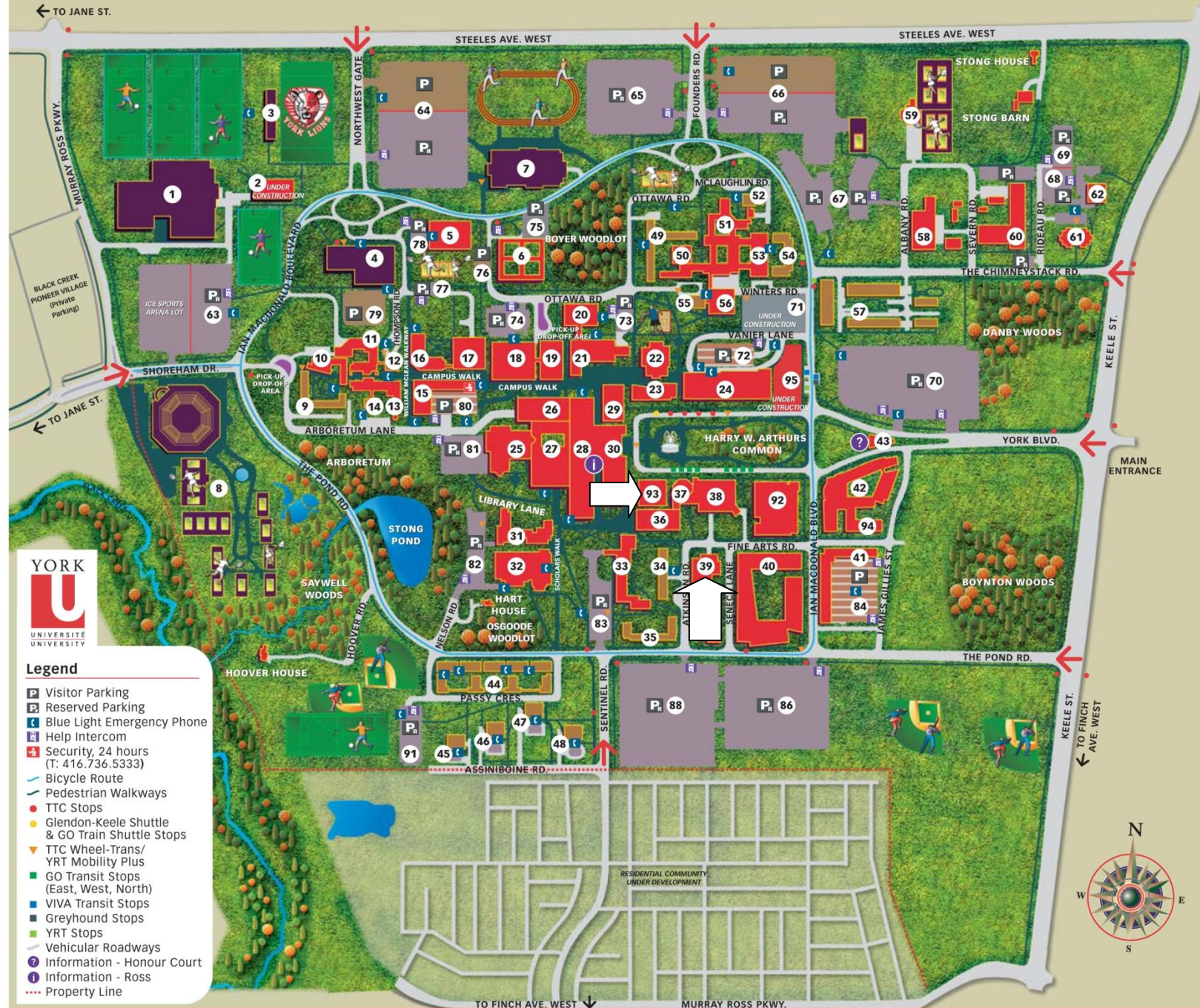# Web Intelligence and Intelligent Agent Tecnology

August 31 - September 3

Toronto, Canada

IEEE / WIC / ACM
International Conferences

`10

Keele Campus Map

Legend
- P Visitor Parking
- P Reserved Parking
- Blue Light Emergency Phone
- Help Intercom
- Security, 24 hours (T: 416.736.5333)
- Bicycle Route
- Pedestrian Walkways
- TTC Stops
- Glendon-Keele Shuttle & GO Train Shuttle Stops
- TTC Wheel-Trans/ YRT Mobility Plus
- GO Transit Stops (East, West, North)
- VIVA Transit Stops
- Greyhound Stops
- YRT Stops
- Vehicular Roadways
- ? Information - Honour Court
- i Information - Ross
- Property Line

Academic, Administrative & Commercial Buildings

59 190 Albany Road – ALB
92 Accolade East Building – ACE
93 Accolade West Building – ACW
95 Archives Project Site (completion March 2009)
33 Atkinson – AC
29 Behavioural Science – BSB
41 Bennett Centre for Student Services – Admissions – BCSS
24 Bookstore, York Lanes – YL
10 Calumet College – CC
27 Central Square – CSQ
58 Central Utilities – CUB
38 Centre for Film & Theatre – CFT
16 Chemistry – CB
62 Computer Methods (non-York facility)
19 Computer Science & Engineering – CSE
26 Curtis Lecture Halls – CLH
6 East Office Building – EOB
94 Executive Learning Centre – ELC
21 Farquharson Life Sciences – FARQ
50 Founders College – FC
2 Sherman Health Science Research Centre (completion December 2008)
31 Health, Nursing & Environmental Studies – HNES
36 Joan & Martin Goldfarb Centre for Fine Arts – CFA
61 Kinsmen – KINS
43 Lorna R. Marsden Honour Court and Welcome Centre
20 Lumbers – LUM
51 McLaughlin College – MC
11 Norman Bethune College – BC
17 Observatory, Petrie – PSE

32 Osgoode Hall Law School – OSG
17 Petrie Science & Engineering – PSE
60 Physical Resources – PRB
20 Ross – ROSS
25 Scott Library – SCOTT
27 Scott Religious Centre, Central Square – CSQ
40 Seneca @ York, Stephen E. Quinlan Building (non-York facility)
42 Seymour Schulich Building – SSB
18 Steacie Science & Engineering Library – SSL
22 Stedman Lecture Halls – SLH
13 Stong College – SC
23 Student Centre – STC
4 Tait McKenzie Centre – TAIT
39 Technology Enhanced Learning – TEL
56 Vanier College – VC
30 Vari Hall – VH
5 West Office Building – WOB
15 William Small Centre – WSC
53 Winters College – WC
24 York Lanes Retail Centre – YL

Visual & Performing Arts Facilities

92 Art Gallery of York University (ACE)
37 Burton Auditorium – BURT
92 Gales Gallery (ACW)
38 Joseph G. Green Studio Theatre (CFT)
92 McLean Performance Studio (ACE)
92 Price Family Cinema (ACE)
92 Sandra Faire and Ivan Fecan Theatre (ACE)
92 Tribute Communities Recital Hall (ACE)

Student Residences & Apartments

48 320 Assiniboine Road – AS2
47 340 Assiniboine Road – AS4
46 360 Assiniboine Road – AS6
45 380 Assiniboine Road – AS8
34 Atkinson Residence – AR
9 Calumet Residence – CR
49 Founders Residence – FR
57 Harry Sherman Crowe Co-op (non-York facility)
12 Norman Bethune Residence – BR
44 Passy Gardens, 2-18 Passy Cres. – PASSY
35 The Pond Road Residence – POND
14 Stong Residence – STR
52 Tatham Hall – TH
55 Vanier Residence – VR
54 Winters Residence – WR

Sport & Recreation Facilities

1 Canlan Ice Sports (shared use) – ICE
4 Tait McKenzie Centre – TAIT
8 Tennis Canada - Rexall Centre – REX
3 Toronto Track & Field Centre (shared use) – TF
3 York Stadium

Parking Garages (Visitors)

80 Arboretum Parking Garage – ARB
84 Student Services Parking Garage – SSP
72 York Lanes Parking Garage

Reserved Parking Lots

67 Albany Road Lot
83 Atkinson Lot
75 EOB Lot
66 Founders Road East Lot
65 Founders Road West Lot
81 Library Lot
73 Lumbers Lot
82 Nelson Road Lot
64 Northwest Gate Lot
91 Passy Crescent Lot
68 Physical Resources Lot
69 Rideau Road Lot
88 Sentinel Road East Lot
63 Shoreham Drive Lot
74 Steacie Lot
77 Tait McKenzie Lot
86 The Pond Road East Lot
78 WOB West Lot
70 York Boulevard Lot

Visitor Parking Lots

66 Founders Road East Lot
64 Northwest Gate Lot
79 Thompson Road Lot
76 WOB East Lot

Visitor & Reserved Parking Lots

71 Vanier Temporary Lot (closed until April 2009)

August 2007

Table of Contents

Conference Sponsors

Organization Sponsorships

IEEE Computer Society

Web Intelligence Consortium (WIC)

Association for Computing Machinery (ACM)

GenieKnows.com

Infobright

Co-Organized and In Cooperation With

Institute of Electrical and Electronics Engineers (IEEE)

York University, Toronto, Canada

Message from the Conference and Program Chairs

We are pleased to give you a warm welcome to the 2010 IEEE/WIC/ACM International Joint Conferences on Web Intelligence and Intelligent Agent Technology (WI'10 and IAT'10). On behalf of the WI'10 and IAT'10 Conference Committees, we would like to thank you for your participation and we do hope that you will enjoy the conference technical and social programs as well as our beautiful and lovely city Toronto.

The WI'10 and IAT'10 conferences are sponsored and co-organized by the IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), Web Intelligence Consortium, ACM SIGART, Information Retrieval and Knowledge Management Research Lab, School of Information Technology and York University, Toronto, Canada. These conferences provide leading international collaborations for researchers and practitioners to present state-of-the-art research techniques and results. They will enable participants to cross fertilize ideas between various domains through idea sharing and discussions on the underlying principles of various paradigms.

Web Intelligence (WI) has been recognized as a valuable new direction for scientific research and development to explore the fundamental roles as well as the practical impact of Artificial Intelligence (AI) and advanced Information Technologies (IT) on the next generation of Web-empowered products, systems, services and activities. It is one of the most important as well as promising IT research fields in the era of Web and agent intelligence.

Intelligent Agent Technology (IAT) will provide a leading international forum to bring together researchers and practitioners from diverse fields, such as computer science, information technology, business, education, systems engineering, and robotics, to (1) examine the design principles and performance characteristics of various approaches in intelligent agent technology, and (2) increase the cross-fertilization of ideas on the development of autonomous agents and multi-agent systems among different domains. By encouraging idea-sharing and discussions on the underlying logical, cognitive, physical and sociological foundations as well as the enabling technologies of intelligent agents, IAT 2010 will foster the development of novel paradigms and advanced solutions in agent-based computing.

WI'10 and IAT'10 received 505 submissions (313 for WI'10 and 192 for IAT'10) to the research and industry tracks from 46 countries and regions around the world. For WI'10, 51 papers were accepted as regular papers and 66 papers were accepted as short papers. For IAT'10, 36 papers were accepted as regular papers and 42 papers were accepted as short papers. As a result, approximately 16% of the WI'10 submissions were accepted as regular papers and 21% were accepted as short papers. For IAT'10, around 19% of the submissions were accepted as regular papers and 21% were accepted as short papers. In addition to the paper presentations as the research tracks, our technical program also features 5 keynote talks and 16 workshops, including a doctoral workshop.

All submitted papers were reviewed by at least three program committee members, and all the conflictive cases were further reviewed and resolved by one program vice-chair and one

program co-chair. There were a few boarder-line papers, which were re-reviewed by at least one additional program committee member and the program co-chairs.

It is impossible to organize a high quality conference without the enormous support and expertise of many top class researchers and leaders. Our sincere thanks are due to all chairs, co-chairs, vice-chairs, WIC advisory board members, WIC technical committee & WI/IAT steering committee members, program committee members, reviewers, conference secretariat, conference web support team and Cyber-Chair for their wonderful contributions. In particular, we would like to acknowledge the generous help received from Ning Zhng, Vivian Hu, Jessie Zhao, Jun Miao, Ellis Lau, Dawid Kasperowicz, Robert Liu and Heather Bai. Our special thanks go to Dr. Juzhen Dong for her support with the Cyber-Chair, and the staff at the IEEE Computer Society Press for their professional help and support in compiling the proceedings.

We are grateful to the following distinguished guest speakers for the delivery of the keynote addresses:

- Professor Alan Smeaton, Dublin City University, Ireland
- Professor Ian Witten, University of Waikato, New Zealand
- Professor Maria Gini, University of Minnesota, USA
- Professor Milind Tambe, University of Southern California, USA
- Professor Pasi Gabriella, Università degli Studi di Milano Bicocca, Italy

We wish to express our appreciation to the conference sponsors. We are grateful to the authors, presenters and delegates for their contributions and participation.

Jimmy Huang   **Nick Cercone**
Program Chair   *Conference Chair*

General Information

Your Badge
Each badge carries the name and affiliation of the badge holder. Admission to the conference and workshop sessions is by badge only. If you lose your badge, please go to the Registration Desk for a replacement.

Lunches
Lunches during the conference will be at 12:45 - 14:30. During the main conference, lunch will be provided to all conference participants.

Conference Registration
August 30th, 4pm - 8pm, lower level of the Technology Enhanced Learning building;
August 31st, 8am - 6pm, lower level of the Technology Enhanced Learning building;
September 1st - 3rd, all day on the 3rd floor in the Accolade West Building.

Conference Reception
September 1st, 6:30pm - 9pm, Underground Restaurant in the Student Center, York University.

Conference Banquet/Award Ceremony
September 2nd, 6:30pm - 10pm, dinner cruise on Northern Spirit Cruise Ship (by Mariposa Cruises) at Toronto Harbour. The dinner cruise is located at *207 Queens Quay West* at *York St*. Please see the end of this booklet for more details.

Tea/Coffee Breaks
Tea and coffee will be served at 9:30am - 10am and 4pm - 4:30pm. During the workshop, coffee and tea will be served in the Technology Enhanced Learning Building on the lower level. During the main conference, it will be served on the third floor in the Accolade West Building.

Volunteers
You may ask Volunteers for help for any questions. They will be happy to help you.

Language
The conference and all its activities will be conducted in English.

Smoking Policy
No smoking is permitted in the WI/IAT 2010 rooms.

General Inquiries
If you have any questions regarding the conference organization, please contact the conference organizing chair.

Internet Access
York University will be providing 300 AirYork accounts for the conference attendances during the conference period. These accounts will enable Internet access while on York University campus.

Information for Session Chairs and Presenters

Facilities at the Presentation Room
All rooms are equipped with a desktop and digital projector connected to the desktop. The overhead projector will be available on request only.

Presentation Time
The presentation time allocated to each regular paper is 25 minutes, and 15 minutes for each short paper, including questions and answers.

Session Chairs
If you cannot fulfill your duties as a session chair, please ensure that someone else will take your place as the session chair, or contact the conference Program Chair to arrange a back-up.

Session chairs are kindly requested to help with the followings:

1. Note the time allocated for each paper in your session. Each regular paper is allocated 25 minutes (20 minutes for the presentation plus 5 minutes for discussion). Each short paper is allocated 15 minutes (12 minutes for the presentation plus 3 minutes for discussion).
2. Arrive at the room of the session 5 minutes before the session starts and identify each of the speakers for the session.
3. Suggest each speaker to keep corresponding time for discussions (questions and answers), and for transition to the next presentation. If a presentation extends into the time for discussions, please shorten the discussions accordingly or postpone the discussions until after the session.
4. Do not allow presentations or the subsequent discussions to spill beyond the starting time of the next presentation.
5. If the presenter of a paper is absent ("no-show"), please continue to the next presentation. Please check again at the end of the last presentation whether the "no-show" shows up. Best efforts have been made to reduce the number of no-shows; however, they may not be eliminated.
6. Each presentation room is equipped with a digital projector. If something is not working properly, please contact a volunteer for help.

Presenters
Please check your presentation time and room. Please go to the room 5 minutes before the session starts and identify yourself to the session chairs.

1. Note the time allocated for each regular paper is 25 minutes (20 minutes for your presentation plus 5 minutes for discussion) and 15 minutes for each short paper (12 minutes for your presentation plus 3 minutes for discussions).
2. When it is your turn to present, please leave corresponding time for discussion (questions and answers), and for transition to the next presentation. If your presentation extends into the time for discussions, discussions on your paper will be shortened by the session chair accordingly or postpone until after the session.

3. Please do not exceed your allocated time. Please follow the instructions of the Session Chairs.

If you cannot find your name in Sessions or your information is incorrect in the Program Booklet, please contact the Program Chair.

Program at a Glance

Workshop Program at a Glance
[All rooms are located in the lower level of the TEL building]

Tuesday, August 31, 2010						
Venue	**TEL 0004**	**TEL 0005**	**TEL 0006**	**TEL 0007**	**TEL 0009**	**TEL 0010**	**TEL 0011**
08:35 - 10:00	**IWCSN** International Workshop on Computational Social Networks *Chair: Vaclav Snasel*	**CARE** The 2nd International Workshop on Collaborative Agents - Research and development *Chair: Christian Guttmann*	**IEEM** The 4th International Workshop on Intelligent E-Government and Emergency Management *Chair: Xin Ye*	**WebPRES** Workshop on Web Personalization and Recommender Systems *Chair: Daniel Tao*	**OMBI** The 1st International Workshop on Opinion Mining for Business Intelligence *Chairs: Xiaohui Yu and Yang Liu*	**IWI** International Workshop on Intelligent Web interaction *Chair: Tsuyoshi Murata*	**HAI** Workshop on Human Aspects in Ambient Intelligence: Agent Technology, Human-Oriented Knowledge, and Applications *Chair: Tibor Bosse*
10:00 - 10:20	Coffee Break *[lower level of the Technology Enhanced Learning building]*						
10:20 - 12:00	**IWCSN** International Workshop on Computational Social Networks *Chair: Vaclav Snasel*	**CARE** The 2nd International Workshop on Collaborative Agents - Research and development *Chair: Christian Guttmann*	**IEEM** The 4th International Workshop on Intelligent E-Government and Emergency Management *Chair: Xin Ye*	**WebPRES** Workshop on Web Personalization and Recommender Systems *Chair: Daniel Tao*	**OMBI** The 1st International Workshop on Opinion Mining for Business Intelligence *Chairs: Xiaohui Yu and Yang Liu*	**IWI** International Workshop on Intelligent Web interaction *Chair: Tsuyoshi Murata*	**HAI** Workshop on Human Aspects in Ambient Intelligence: Agent Technology, Human-Oriented Knowledge, and Applications *Chair: Tibor Bosse*
12:00 - 13:25	Lunch Break *[lower level of the Technology Enchanged Learning building]*						
13:25 - 15:30	**CISWSN** The 3rd Workshop on Collective Intelligence in Semantic Web and Social Networks *Chair:Tudor Groza*	**CARE** The 2nd International Workshop on Collaborative Agents - Research and development *Chair: Christian Guttmann*	**IEEM** The 4th International Workshop on Intelligent E-Government and Emergency Management *Chair: Xin Ye*	**WebPRES** Workshop on Web Personalization and Recommender Systems *Chair: Daniel Tao*	**Web-KR3** International Workshop on Web-Scale Knowledge Representation, Retrieval, and Reasoning *Chair:Zhisheng Huang*	**IWI** International Workshop on Intelligent Web interaction *Chair: Tsuyoshi Murata*	**WLIAMAS** The 3rd Workshop on Logics for Intelligent Agents and Multi-Agent Systems *Chair:*

Venue	**TEL 0013**	**TEL 0014**	**TEL 0015**	**TEL 0016**	**TEL 1004**	**TEL 1005**	
08:35 - 10:00	**SIE** Workshop on Service Intelligence and Engineering *Chair: Chi-hung Chi*	**ODMWI** Workshop on Optimization-Based Data Mining and Web Intelligence *Chairs: Yong Shi and Yingjie Tian*	**WI-IAT DW** The 3rd WI-IAT Doctoral Workshop *Chair: Marcin Szcuka*	**WIRSS** The 3rd International Workshop on Web Information Retrieval Support Systems *Chair: Orland Hoeber*	**NLPOE** Workshop on Natural Language Processing and Ontology Engineering *Chair: Yao Liu*	**MCS** The 10th International Workshop on Meta-Synthesis and Complex Systems *Chair: Xijin Tang*	
10:00 - 10:20	Coffee Break *[lower level of the Technology Enhanced Learning building]*						
10:20 - 12:00	**SIE** Workshop on Service Intelligence and Engineering *Chair: Chi-hung Chi*	**ODMWI** Workshop on Optimization-Based Data Mining and Web Intelligence *Chairs: Yong Shi and Yingjie Tian*	**WI-IAT DW** The 3rd WI-IAT Doctoral Workshop *Chair: Marcin Szcuka*	**WIRSS** The 3rd International Workshop on Web Information Retrieval Support Systems *Chair: Orland Hoeber*	**NLPOE** Workshop on Natural Language Processing and Ontology Engineering *Chair: Yao Liu*	**MCS** The 10th International Workshop on Meta-Synthesis and Complex Systems *Chair: Xijin Tang*	
12:00 - 13:25	Lunch Break *[lower level of the Technology Enhanced Learning building]*						
13:25 - 15:30		**ODMWI** Workshop on Optimization-Based Data Mining and Web Intelligence *Chairs: Yong Shi and Yingjie Tian*		**WIRSS** The 3rd International Workshop on Web Information Retrieval Support Systems *Chair:Prof. Orland Hoeber*			

WI/IAT 2010 Program at a Glance
[All rooms are located in the 2nd & 3rd levels of the ACW building, Keele Campus]

	08:15 - 08:30 **Conference Opening** *[ACW 206, 2nd floor, Accolade West Building]* **Speaker:** *Prof. Michael Siu,VPRI*				
	08:30 - 09:30 **Keynote Speaker - *Ian Witten*** *[ACW 206, 2nd floor, Accolade West Building]* **Chair:** Prof. Nick Cercone Wikipedia and How to Use it for Semantic Document Representation				
	09:30 - 10:00 **Coffee Break** *[3rd floor, Accolade West Building]*				
September 1st	10:00 - 11:35	**1AM-A1-WI** *(3rd floor, ACW 303)* Web Information Retrieval and Filtering I Chair: *Yiyu Yao*	**1AM-A2-WI** *(3rd floor, ACW 304)* Web Mining I Chair: *William Cheung*	**1AM-A3-WI** *(3rd floor, ACW 305)* Semantics and Ontology Engineering I Chair: *Juanzi Li*	**1AM-A1-IAT** *(3rd floor, ACW 306)* Agent Systems Modeling and Methodology I Chair: *Gill Dobbie*	**1AM-A2-IAT** *(3rd floor, ACW 307)* Agent Systems Modeling and Methodology II Chair: *Ali Ghorbani*
	11:45 - 12:45 **Keynote Speaker - *Maria Gini*** *[ACW 206, 2nd floor, Accolade West Building]* **Chair:** Prof. Ali Ghorbani Why Robots are More Than just Agents				
	12:45 - 14:30 **Lunch** *[Underground Restaurant]*				
	14:30 - 16:00	**1PM-A1-WI** *(3rd floor, ACW 303)* Search and Ranking Chair: *Chun-hung Li*	**1PM-A2-WI** *(3rd floor, ACW 304)* Web Search I Chair: *Marcin Szczuka*	**1PM-A3-WI** *(3rd floor, ACW 305)* Recommender Systems Chair: *Seiji Yamada*	**1PM-A1-IAT** *(3rd floor, ACW 306)* Agent Systems Modeling and Methodology III Chair: *Robert G. Reynolds*	**1PM-A2-IAT** *(3rd floor, ACW 307)* Agent Systems Modeling and Methodology IV Chair: *Takahira Yamaguchi*
	16:00 - 16:30 **Coffee Break** *[3rd floor, Accolade West Building]*				
	16:30 - 18:00	**1PM-B1-WI** *(3rd floor, ACW 303)* Web Information Retrieval and Filtering II Chair: *Gabriella Pasi*	**1PM-B2-WI** *(3rd floor, ACW 304)* Social Network Analysis Chair: *Ling-Jyh Chen*	**1PM-B3-WI** *(3rd floor, ACW 305)* Semantics and Ontology Engineering II Chair: *Vijay Raghavan*	**1PM-B1-IAT** *(3rd floor, ACW 306)* Agent Systems Modeling and Methodology V Chair: *Tan Ah Hwee*	**1PM-B2-IAT** *(3rd floor, ACW 307)* Agent Systems Modeling and Methodology VI Chair: *Yifeng Zeng*
	18:30 - 21:00 **Reception** *President of York University, Prof. Mamdouh Shoukri, will be attending*				
September 2nd	08:30 - 09:30 **Keynote Speaker - *Alan Smeaton*** *[ACW 2006, 2nd floor, Accolade West Building]* **Chair:** *Prof. Jimmy Huang* The Sensor Web: Unpredictable, Noisy and Loaded with Errors				
	09:30 - 10:00 **Coffee Break** *[3rd floor, Accolade West Building]*				
	10:00 - 11:35	**2AM-A1-WI** *(3rd floor, ACW 303)* WI Foundations Chair: *Ning Zhong*	**2AM-A2-WI** *(3rd floor, ACW 304)* Web Mining II Chair: *Pierre Morizet-Mahoudeaux*	**2AM-A3-WI** *(3rd floor, ACW 305)* Semantics and Ontology Engineering III Chair: *Ian Witten*	**2AM-A1-IAT** *(3rd floor, ACW 306)* Autonomy-Oriented Computing I Chair: *Ali Ghorbani*	**2AM-A2-IAT** *(3rd floor, ACW 307)* Autonomy-Oriented Computing II Chair: *Jiming Liu*
	11:35 - 12:45	**2PM-A1-WI** *(3rd floor, ACW 303)* Web Support Systems I Chair: *Peter Brusilovsky*	**2PM-A2-WI** *(3rd floor, ACW 304)* Web Agents I Chair: *Ali Ghorbani*	**2PM-A3-WI** *(3rd floor, ACW 305)* Intelligent Human-Web Interaction Chair: *Udo Kruschwitz*	**2PM-A1-IAT** *(3rd floor, ACW 306)* Autonomy-Oriented Computering III Chair: *Robert G. Reynolds*	**2PM-A2-IAT** *(2nd floor, ACW 205)* Agent-Systems Modeling and Methodology VII Chair: *Milind Tambe*
	12:45 - 14:30 **Lunch** *[Underground Restaurant]*				
	14:30 - 16:00	**2PM-B1-WI** *(3rd floor, ACW 303)* World Wide Wisdom Web (W4) Chair: *Yuefeng Li*	**2PM-B2-WI** *(3rd floor, ACW 304)* Social Intelligent Systems Chair: *Peter Brusilovsky*	**2PM-B3-WI** *(3rd floor, ACW 305)* Industry Track/Demo Track Chair: *Dominik Slezak*	**2PM-B1-IAT** *(3rd floor, ACW 306)* Industry Track Chair: *Maria Gini*	**2PM-B2-IAT** *(3rd floor, ACW 307)* Autonomous Knowedge and Information Agents Chair: *Mohand-Said Hacid*
	16:00 - 18:30 **Excursion**				

September 3rd	18:30 - 19:00 **Transport**					
	19:00 - 22:00 **Banquet**					
	08:30 - 09:30 **Keynote Speaker - _Pasi Gabriella_** _[ACW 206, 2nd floor, Accolade West Building]_ **Chair:** Prof. Mohand-Said Hacid Issues on Preference-Modelling and Personalization in Information Retrieval					
	09:30 - 10:00 **Coffee Break** _[3rd floor, Accolade West Building]_					
	10:00 - 11:35	**3AM-A1-WI** _(3rd floor, ACW 303)_ Web Support Systems II Chair: _Peter Brusilovsky_	**3AM-A2-WI** _(3rd floor, ACW 304)_ Web Mining III Chair: _Aijun An_	**3AM-A3-WI** _(3rd floor, ACW 305)_ Semantics and Ontology Engineering IV Chair: _Yuh-Jong Hu_	**3AM-A1-IAT** _(3rd floor, ACW 306)_ Distributed Problem Solving I Chair: _Robert G. Reynolds_	**3AM-A2-IAT** _(3rd floor, ACW 307)_ Applications I Chair: _Xiaohui Yu_
	11:45 - 12:45 **Keynote Speaker - _Milind Tambe_** _[ACW 206, 2nd floor, Accolade West Building]_ **Chair:** Prof. Takahira Yamaguchi Game Theory for Security: Lessons Learned from Deployed Applications					
	12:45 - 14:30 **Lunch** _[3rd floor, Accolade West Building]_					
	14:30 - 16:00	**3PM-A1-WI** _(3rd floor, ACW 303)_ Web Technologies and Applications Chair: _Orland Hoeber_	**3PM-A2-WI** _(3rd floor, ACW 304)_ Intelligent e-Technology Chair: _Nick Cercone_	**3PM-A3-WI** _(3rd floor, ACW 305)_ Semantics and Ontology Engineering V Chair: _Yang Liu_	**3PM-A1-IAT** _(3rd floor, ACW 306)_ Distributed Problem Solving II Chair: _Ning Zhong_	**3PM-A2-IAT** _(3rd floor, ACW 307)_ Applications II Chair: _Jimmy Huang_
	16:00 - 16:30 **Coffee Break** _[3rd floor, Accolade West Building]_					
	16:30 - 18:00	**3PM-B1-WI** _(3rd floor, ACW 303)_ Web Mining IV Chair: _Jimmy Huang_	**3PM-B2-WI** _(3rd floor, ACW 304)_ Social Networks and Ubiquitous Intelligence Chair: _Yang Liu_	**3PM-B3-WI** _(3rd floor, ACW 305)_ Web Services Chair: _Aijun An_	**3PM-B1-IAT** _(3rd floor, ACW 306)_ Distributed Problem Solving III Chair: _Xiaohui Yu_	**3PM-B2-IAT** _(3rd floor, ACW 307)_ Autonomous Auctions and Negotiation I Chair: _Nick Cercone_

Workshop Program

Welcome Message from Workshop Co-Chairs

As the Web continues to grow and evolve, many new problems and challenges are being introduced. The WI-IAT workshops aim to provide researchers who share similar research interests to meet and address new research challenges and initiatives that concern Web Intelligence (WI) and Intelligent Agent Technology (IAT). The Workshops provide a venue and forum for contributions in specialized sub-areas of Web Intelligence and Intelligent Agent Technology, and allowing authors to present new and emerging trends in methods and technologies to dedicated audiences.

The conferences received 22 proposals for WI-IAT 2010 workshops, out of which 16 were accepted (including a doctoral workshop), representing a variety of selected special topics. The workshops received 282 submissions in total. The acceptance rate for published papers is approximately 36.5%. Each paper submitted to the workshops was reviewed by at least two program committee members and, using these reviews, the workshop organizers selected papers for inclusion in the workshop proceedings and presentation at the conferences. The workshop co-chairs further scrutinized the acceptance decisions of all workshops. This three-level decision process ensures that the workshop proceedings is a well sought out source of high quality papers in emerging research areas.

We express our sincere gratitude to the workshop organizers. Their professionalism and hard work made our tasks much easier. We also appreciate the guidance and suggestions we received from several current and past members of the WI-IAT organization; especially, Jimmy Huang and Ning Zhong.

We are grateful to Juzhen Dong for her excellent technical assistance in ensuring smooth functioning of the paper management functions. Finally, we thank all authors for their submissions and all attendees for their participation. To have stimulating and thought provoking workshops would not be possible without their support.

Orland Hoeber and Yuefeng Li
WI-IAT 2010 Workshop Co-Chairs

Workshop Program

The 3rd Workshop on Collective Intelligence in Semantic Web and Social Networks
(CISWSN 2010)

Workshop Organizers:
- **Krzysztof Juszczyszyn** (Wroclaw University of Technology, Poland)
- **Tudor Groza** (Digital Enterprise Research Institute Galway, National University of Ireland, Galway, Ireland)
- **Katarzyna Musial** (Bournemouth University, UK)
- **Siegfried Handschuh** (Digital Enterprise Research Institute Galway, National University of Ireland, Galway, Ireland)

Location: TEL 0004

Session C (13:25 – 15:30)
- *Workshop Opening*
- *Utilizing Dynamic Molecular Modelling Technique for Predicting Changes in Complex Social Networks*, Krzysztof Juszczyszyn, Anna Musial, Katarzyna Musial, and Piotr Bródka
- *Individual Neighbourhood Exploration in Complex Multi-Layered Social Network*, Przemysław Kazienko, Piotr Bródka, and Katarzyna Musial
- *Commentary-Based Social Network Analysis and Visualization of Hong Kong Singers*, Janice Kwan-Wai Leung and C.H. Li
- *Tracing Strength of Relationships in Social Networks*, Ivan Srba and Mária Bieliková
- *Workshop Closing Remarks*

The 4th International Workshop on Intelligent E-Government and Emergency Management
(IEEM 2010)

Workshop Organizers:
- **Ning Wang** (Dalian University Of Technology, China)
- **Xin Ye** (Dalian University Of Technology, China)
- **Shaobo Ji** (Dalian University Of Technology, China/Carleton University, Canada)
- **Liming Zhu** (National ICT Australia, Australia, Liming)
- **Xuelong Chen** (Dalian University Of Technology, China)

Location: TEL 0006

Session A (8:35 – 10:00)
- *Workshop Opening*
- *A Security Audit Framework to Manage Information System Security*, Teresa Susana Mendes Pereira and Henrique Santos
- *Chaotic Analysis on E-Government System Development*, Wang Yanzhang, Xiao Guirong, and Han Shengju

- *The Method of Case Retrieving in the Emergency Field Based on CBR*, Qiuyan Zhong, Xiaonan Zhang, Su Guo, Xin Ye, and Jiangnan Qiu

Session B (10:20 – 12:00)
- *Research on Organizational Collaboration Oriented OB4LAC in E-Government*, Huaiming Li, Shuai Yang, Ning Wang, and Yanzhang Wang
- *The Information Resource Integration in E-Government Based on EAI*, Liming Li, Peng Zhang, Ning Wang, and Yanzhang Wang
- *Construction of Emergency Plan Network Model Supporting for Multi-Plan-Based Application*, Jiangnan Qiu, Hao Zhang, Rui Zhang, Qiuyan Zhong, and Ning Wang
- *The Inter-Organizational Business Collaboration Oriented Role Model for E-Government*, Ye Xin, Ma Junfeng, Wang Yanzhang, Zuo Chao, and Bing Xinhua

Session C (13:25 – 15:30)
- *Research on the Problem and Solution in Chinese E-Government Development*, Wang Ning, Chao Ke, Bai He, Zhong Qiuyan, and Wang Yanzhang
- *A Hierarchical Description Framework of Decision Model for Multilevel Users*, Xuelong Chen, Yanzhang Wang, and Ning Wang
- *Research on Post Node Model in E-Government*, Zhang Peng, Xiao Junde, Wang Yanzhang, and Wang Keyi
- *Workshop Closing Remarks*

International Workshop on Computational Social Networks (IWCSN 2010)

Workshop Organizers:
- **Vaclav Snasel** (VSB-Technical University of Ostrava, Czech Republic)
- **Ajith Abraham** (Norwegian Center of Excellence, Norway)

Location: TEL 0004

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Use of Email Social Networks for Enterprise Benefit*, Michal Laclavík, Štefan Dlugolinský, Marcel Kvassay, and Ladislav Hluchý
- *Content Propagation Analysis of E-Mail Communications*, Naoki Yoshinaga, Satoko Itaya, Rie Tanaka, Taku Konishi, Sinichi Doi, Keiji Yamada, and Peter Davis
- *The Effect of Transitive Linking on Information Diffusion in Dynamic Acquaintance Networks*, Takashi Ishikawa

Session B (10:20 – 12:00)
- *User Segmentation Based on Finding Communities with Similar Behavior on the Web Site*, Kateřina Slaninová, Radim Dolák, Martin Miškus, Jan Martinovič, and Václav Snášel
- *A Tolerance Rough Set Based Overlapping Clustering for the DBLP Data*, Gamila Obadi, Pavla Dráždilová, Lukáš Hlaváček, Jan Martinovič, and Václav Snášel

- *Predicting Edges And Vertices In A Network*, Walid K. Sharabati, Edward J. Wegman, and Yasmin H. Said
- *Evolutionary Community Discovery from Dynamic Multi-Relational CQA Networks*, Zhongfeng Zhang, Qiudan Li, and Daniel Zeng
- *Workshop Closing Remarks*

International Workshop on Intelligent Web Interaction
(IWI 2010)

Workshop Organizers:
- **Tsuyoshi Murata** (Tokyo Institute of Technology, Japan)
- **Seiji Yamada** (National Institute of Informatics, Japan)

Location: TEL 0010

Session A (8:35 – 10:00)
- *Workshop Opening*
- *HCX: A Distributed OSGi Based Web Interaction System for Sharing Health Records in the Cloud*, Sabah Mohammed, Daniel servo, and Jinan Fiaidhi
- *Breaking News Detection and Tracking in Twitter*, Swit Phuvipadawat and Tsuyoshi Murata
- *Treelicious: A System for Semantically Navigating Tagged Web Pages*, Matt Mullins and Perry Fizzano

Session B (10:20 – 12:00)
- *Location-Based Semantic Matchmaking In Ubiquitous Computing*, Michele Ruta, Floriano Scioscia, Eugenio Di Sciascio, and Giacomo Piscitelli
- *An Interactive Tool for Constrained Clustering with Human Sampling*, Masayuki Okabe and Seiji Yamada
- *Detecting Task-Based Query Sessions Using Collaborative Knowledge*, Claudio Lucchese, Salvatore Orlando, Raffaele Perego, Fabrizio Silvestri, and Gabriele Tolomei
- *User Navigation Behavior Mining Using Multiple Data Domain Description*, Li Xue, Ming Chen, Yun Xiong, and Yangyong Zhu

Session C (13:25 – 15:30)
- *An Approach to Create Persuasive Web Sites*, Makoto Orino and Yasuhiko Kitamura
- *An Investigation of Potency of eWOM Messages with a Focus on Subjective Rank Expressions*, Kazunori Fujimoto
- *Careful Seeding Based on Independent Component Analysis for k-means Clustering*, Takashi Onoda, Miho Sakai, and Seiji Yamada
- *Analysis of User Feedback Cost for Document Similarity Judgment*, Minghuang Chen, Seiji Yamada, and Yasufumi Takama
- *Workshop Closing Remarks*

The 10th International Workshop on Meta-Synthesis and Complex Systems (MCS 2010)

Workshop Organizers:
- **Xijin Tang**, (Academy of Mathematics and Systems Science, Chinese Academy of Sciences (CAS), PR China)
- **Xiaoji Zhou**, (Beijing Institute of Information and Control, PR China)

Location: TEL 1005

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Problem Solving Framework and Case Study in Meta-Synthesis Workshop*, Xiaoji Zhou and Jingyuan Yu
- *Collaborative Distribution Knowledge Service System Based on Task Context Aware*, Liang Xiao and Yanli Pei
- *Visualized Clustering of Ideas for Group Argumentation*, Bin Luo and Xijin Tang

Session B (10:20 – 12:00)
- *A Case Investigation on the Scaling Behaviours in Web Browsing*, Gengsheng Zhao, Ning Zhang, Zhaoxing Liu, and Jiming Li
- *Simulation Data and Process Management System in the Development of Virtual Prototype*, Hang Yin, Yongming Gao, Hui Yan, and Jiejuan Wang
- *Possibility Degree Method for Ranking Intuitionistic Fuzzy Numbers*, Cui-Ping Wei and Xijin Tang
- *A Method Based on Grey Correlation Clustering for Improving the Hierarchy of Analytic Hierarchy Process*, Di Zhao, Hongfu Liu, and Hongyi Li
- *Workshop Closing Remarks*

Workshop on Natural Language Processing and Ontology Engineering (NLPOE 2010)

Workshop Organizers:
- **Zhifang Sui**, (Peking University, China)
- **Yao Liu**, (Institute of Scientific and Technical Information of China, China)

Location: TEL 1004

Session A (8:35 – 10:00)
- *Workshop Opening*
- *LiSTOMS: a Light-Weighted Self-Tuning Ontology Mapping System*, Zhen Zhen, Junyi Shen, Jinwei Zhao, and Jianjun Qian
- *Automatic Identification of Chinese Multiword Chunk based on CRF*, Ru Li, Lijun Zhong, Shuanghong Li, and Zezheng Zhang

- *Automated Error Detection of Vocabulary Usage in College English Writing*, Shi-Li Ge and Rou Song

Session B (10:20 – 12:00)
- *Automatic Semantic Role Labeling* for Chinese, Ke Wang
- *The Chinese Noun Metaphors Knowledge Base and its use in the Recognition of Metaphors*, Zhimin Wang, Shiwen Yu, and Zhifang Sui
- *The Development of NLP-Based Chinese Ontology Construction Platform*, Zhifang Sui, Yao Liu, Jun Zhao, and Hong Zhang
- *One Sense per N-gram*, PengYuan Liu, Shui Liu, ShiQi Li, and ShiWen Yu
- *Workshop Closing Remarks*

Workshop on Optimization-Based Data Mining and Web Intelligence (ODMWI 2010)

Workshop Organizers:
- **Yong Shi** (College of Information Science and Technology, University of Nebraska at Omaha, USA and Chinese Academy of Sciences Research Center on Fictitious Economy and Data Science Beijing, China)
- **Yingjie Tian** (Chinese Academy of Sciences Research Center on Fictitious Economy and Data Science Beijing, China)

Location: TEL 0014

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Complex Event Processing for Object Tracking in Wireless Sensor Networks*, R. Bhargavi, V. Vaidehi, P.T.V. Bhuvaneswari, P. Balamurali, and Girish Chandra
- *Using Projection Gradient Method to Train Linear Support Vector Machines*, Lingfeng Niu and Yong Shi
- *Web Intelligence Meets Extenics: New Frontiers of Innovation for Small and Middle Business*, Xingsen Li, Aiguo Zhang, Jianling Duan, and Zhengxiang Zhu

Session B (10:20 – 12:00)
- *An Optimised Design for Agent Capability Reuse*, Hao Lan Zhang, Clement H.C. Leung, Xinghuo Yu, and Jing He
- *The Domain Knowledge Driven Intelligent Data Auditing Model*, Jing Yu, Bin Xu, and Yong Shi
- *A Cooperative Learning Algorithm for Multiclass Classification*, Youshen Xia and Yu Ying
- *Predicting Credit Card Holder Churn in Banks of China Using Data Mining and MCDM*, Guoxun Wang, Liang Liu, Yi Peng, Guangli Nie, Gang Kou, and Yong Shi

Session C (13:25 – 15:30)
- *A Knowledge Discovery Case Study of Software Quality Prediction: ISBSG Database*, Xiao Wang, Yuehua Zhang, Lingling Zhang, and Yong Shi

- *A New Weighted Ensemble Model for Detecting DoS Attack Streams*, Jinghua Yan, Xiaochun Yun, Peng Zhang, Jianlong Tan, and Li Guo
- *Workshop Closing Remarks*

The 1st International Workshop on Opinion Mining for Business Intelligence (OMBI 2010)

Workshop Organizers:
- **Xiaohui Yu** (York University, Canada)
- **Yang Liu** (Shandong University, China)

Location: TEL 0009

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Keynote: Opinion Mining: Structure the Unstructured*, Bing Liu
- *Invited Talk: Measuring Validity in Human and Machine Annotation*, Stuart W. Shulman
- *Tutorial: An Introduction to the Public Comment Analysis Toolkit (PCAT)*, Stuart W. Shulman

Session B (10:20 – 12:00)
- *Assessing the Quality of Opinion Retrieval Systems*, Giambattista Amati, Giuseppe Amodeo, Valerio Capozio, Giorgio Gambosi, and Carlo Gaibisso
- *Mining Customer Feedbacks for Actionable Intelligence*, Lipika Dey, Sk Mirajul Haque, and Nidhi Raj
- *An Unsupervised Snippet-Based Sentiment Classification Method for Chinese Unknown Phrases Without Using Reference Word Pairs*, Ting-Chun Peng and Chia-Chun Shih
- *Semi-Supervised Learning for Opinion Detection*, Ning Yu and Sandra Kübler
- *Workshop Closing Remarks*

International Workshop on Web-Scale Knowledge Representation, Retrieval, and Reasoning (Web-KR3 2010)

Workshop Organizers:
- **Zhisheng Huang** (Knowledge Representation and Reasoning Group, Vrije Universiteit Amsterdam, the Netherlands)
- **Harold Boley** (Semantic Web Lab, National Research Council, Canada)
- **Yi Zeng** (International WIC Institute, Beijing University of Technology, China)

Location: TEL 0009

Session C (13:25 – 15:30)
- *Workshop Opening*

- *4s-reasoner: RDFS Backward Chained Reasoning Support in 4store*, Manuel Salvadores, Gianluca Correndo, Tope Omitola, Nick Gibbins, Steve Harris, and Nigel Shadbolt
- *Semantic Structure Content for Dynamic Web Pages*, Mamdouh Farouk and Mitsuru Ishizuka
- *Efficient Visualization of Content and Contextual Information of an Online Multimedia Digital Library for Effective Browsing*, Surjeet Mishra, Amarendra Gorai, Tavleen Oberoi, and Hiranmay Ghosh
- *Workshop Closing Remarks*

Workshop on Web Personalization and Recommender Systems
(WebPRES 2010)

Workshop Organizers:
- **Xiaohui Tao**, (Queensland University of Technology, Australia)
- **Xujuan Zhou**, (Queensland University of Technology, Australia)
- **Sheng–Tang Wu**, (Asia University, Taiwan)
- **Liming Chen**, (University of Ulster, Northern Ireland, UK)

Location: TEL 0007

Session A (8:35 – 10:00)
- *Workshop Opening: Web Personalization and Recommender Systems*, Yue Xu
- *Keynote: Relevance Feature Discovery in Text Documents*, Yuefeng Li

Session B (10:20 – 12:00)
- *One Improved Collaborative Filtering Method Based on Information Transformation*, Zhaoxing Liu, Ning Zhang, and Jiming Li
- *An Evaluation Framework for Content Recommender Systems - The Industry Perspective*, Calin Ciordas and Jeroen Doumen
- *Rule Extraction from Blog Using Inductive Logic Programming*, Noriaki Chikara, Miyuki Koshimura, Hiroshi Fujita, and Ryuzo Hasegawa
- *Non-Redundant Sequential Association Rule Mining and Application in Recommender Systems*, Hao Zang, Yue Xu, and Yuefeng Li

Session C (13:25 – 15:30)
- *Ontology-Based Context-Dependent Personalization Technology*, Vladimir Gorodetsky, Vladimir Samoylov, and Sergey Serebryakov
- *A Decision Rule Method for Assessing the Completeness and Consistency of a Data Warehouse*, Nawaf Alkharboush and Yuefeng Li
- *Evaluation of Concept Space Rating Algorithm and Navigation Scheme*, Petr Šaloun and Zdenek Velart
- *Workshop Closing Remarks*

The 3rd International Workshop on Web Information Retrieval Support Systems (WIRSS 2010)

Workshop Organizers:
- **Orland Hoeber** (Memorial University, Canada)
- **Yiyu Yao** (University of Regina, Canada)

Location: TEL 0016

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Search Engine Result Aggregation Using Analytical Hierarchy Process*, Arijit De, Elizabeth Diaz, and Vijay V. Raghavan
- *Towards Privacy Preserving Information Retrieval Through Semantic Microaggregation*, Daniel Abril, Guillermo Navarro-Arribas, and Vicenç Torra
- *Deploying Top-k Specific Patterns for Relevance Feature Discovery*, Luepol Pipanmaekaporn, Yuefeng Li, and Shlomo Geva

Session B (10:20 – 12:00)
- *Preprocessing of Slovak Blog Articles for Clustering*, Tomas Kuzar and Pavol Navrat
- *Analyzing the Effectiveness of Pruning and Grouping Methods Used in Literature-Based Discovery Tools*, Fatih Mehmet Gulec, Tahir Bicakci, Ebru Akcapinar Sezer, Hayri Sever, and Vijay V. Raghavan
- *Bridging Semantic and Legacy Web Exploration: Orientation, Revisitation and Result Exploration Support*, Michal Tvarožek and Mária Bieliková
- *Pref Shop—A Web Shop with User Preference Search Capabilities*, Branislav Vaclav, Alan Eckhardt, and Peter Vojtáš

Session C (13:25 – 15:30)
- *Comparing Tag Clouds, Term Histograms, and Term Lists for Enhancing Personalized Web Search*, Orland Hoeber and Hanze Liu
- *Information Retrieval eXperience (IRX): Towards a Human-Centered Personalized Model of Relevance*, Frans van der Sluis, Egon L. van den Broek, and Betsy van Dijk
- *Workshop Closing Remarks*

The 2nd International Workshop on Collaborative Agents - REsearch and development (CARE 2010)

Workshop Organizers:
- **Christian Guttmann** (ETISALAT BT Innovation Centre EBTIC, Abu Dhabi, UAE and Monash University, Australia)
- **Frank Dignum** (University Utrecht, Netherlands)

Location: TEL 0005

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Multi-Agent Coalition Formation for Distributed Area Coverage: Analysis and Evaluation*, Ke Cheng and Prithviraj Dasgupta
- *Collaboration in Network-Centric Warfare - Modeling Joint Fire Support Teams*, Christian Gerstner, Robert Siegfried, and Nane Kratzke
- *Isogonic Formation with Connectivity Preservation for a Team of Holonomic Robots in a Cluttered Environment*, Soheil Keshmiri and Shahram Payandeh

Session B (10:20 – 12:00)
- *E-Learning Computational Cloud (eLC2): Web Services Platform to Enhance Task Collaboration*, Sidhant Rajam, Ruth Cortez, Alexander Vazhenin, and Subhash Bhalla
- *Invited Talk: Modeling Warehouse Logistics using Agent Organizations*, Marcel Hiel, Huib Aldewereld, and Frank Dignum
- *Enhancing Patient-Centered Palliative Care With Collaborative Agents*, Ji Ruan, Wendy MacCaull, and Heather Jewers
- *Intelligent Adherence Support to Manage Contractual Relationships*, Christian Guttmann, Kumari Wickramasinghe, Ian Edward Thomas, Michael Georgeff, and Heinz Schmidt

Session C (13:25 – 15:30)
- *Keynote: Decades of Multiagent Teamwork Research: Past, Present, Future*, Milind Tambe
- *Workshop Closing Remarks*

**Workshop on Human Aspects in Ambient Intelligence:
Agent Technology, Human-Oriented Knowledge, and Applications
(HAI 2010)**

Workshop Organizers:
- **Juan Carlos Augusto** (University of Ulster, School of Computing and Mathematics, UK)
- **Tibor Bosse** (Vrije Universiteit Amsterdam, Agent Systems Research Group, Netherlands)
- **Cristiano Castelfranchi** (CNR Rome, Institute of Cognitive Sciences and Technologies, Italy)
- **Diane Cook** (Washington State University, USA)
- **Mark Neerincx** (TNO Human Factors and Technical University Delft, Netherlands)
- **Fariba Sadri** (Imperial College, Department of Computing, UK)

Location: TEL 0011

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Designing Pervasive Interactions for Ambient Guidance with Situated Flows*, Fahim Kawsar, Gerd Kortuem, and Bashar Altakrouri
- *The Role of User Perceptions in Designing Ubiquitous Monitoring Systems*, Stuart Moran and Keiichi Nakata
- *Intention Recognition with Event Calculus Graphs*, Fariba Sadri

Session B (10:20 – 12:00)
- *Supporting Financial Decision Making by an Intelligent Agent Estimating Greed and Risk*, Tibor Bosse, Ghazanfar F. Siddiqui, and Jan Treur
- *Personalisation of Computational Models of Attention by Simulated Annealing Parameter Tuning*, Rianne van Lambalgen and Peter-Paul van Maanen
- *Ambient Intelligence at the Beach*, Marc Böhlen and Joe Atkinson
- *Workshop Closing Remarks*

Workshop on Service Intelligence and Engineering
(SIE 2010)

Workshop Organizers:
- **Chi-hung Chi** (Tsinghua University, China)
- **Cherie Ding** (Ryserson University, Canada)
- **Bruce Spencer** (National Research Council, Canada)
- **Andreas Wombacher** (University of Twente)

Location: TEL 0013

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Enhancing the Performance of Metadata Service for Cloud Computing*, Myung Jin Hwang, Dae Gun Kim, and Hee Yong Youn
- *An Approach to Estimate Schema Quality of Web Service Composition*, Weihong Liu and Hongbing Wang
- *Homology Detection Based on Abstract Syntax Tree Combined Simple Semantics Analysis*, Shizhong Wu, Yongle Hao, Xinyu Gao, Baojiang Cui, and Ce Bian

Session B (10:20 – 12:00)
- *Security Assurance with Metamorphic Testing and Genetic Algorithm*, Guowei Dong, Shizhong Wu, Guisi Wang, Tao Guo, and Yonggang Huang
- *Agent Evaluation Function Considering Airspace Dynamic Density*, Antonio Marcio Ferreira Crespo and Li Weigang
- *Workshop Closing Remarks*

The 3rd Workshop on Logics for Intelligent Agents and Multi-Agent Systems
(WLIAMAS 2010)

Workshop Organizers:
- **Guido Governatori** (NICTA, Australia)
- **Chuchang Liu** (DSTO, Australia)
- **Mehmet A. Orgun** (Macquarie University, Australia)
- **Mark Reynolds** (University of Western Australia, Australia)
- **Antonino Rotolo** (University of Bologna, Italy)
- **Abdul Sattar** (Griffith University, Australia)

- **Leon van der Torre** (University of Luxembourg, Luxembourg)

Location: TEL 0011

Session C (13:25 – 15:30)
- *Workshop Opening*
- *Risk Analysis in Access Control Systems Based on Trust Theories*, Ji Ma, Luigi Logrippo, Kamel Adi, and Serge Mankovski
- *Multi-Agent Based Surveillance of Workflows, Emmanuel Sardis*, Vasilis Anagnostopoulos, and Theodora Varvarigou
- *Predictive Sub-Goal Analysis in a General Game Playing Agent*, Xinxin Sheng and David Thuente
- *Workshop Closing Remarks*

The 3rd WI-IAT Doctoral Workshop
(WI-IAT DW 2010)

Workshop Organizers:
- **Marcin Szczuka**, (The University of Warsaw, Poland)
- **Xiaohui Tao**, (Queensland University of Technology, Australia)
- **Xiaohui Yu**, (York University, Canada)

Location: TEL 0015

Session A (8:35 – 10:00)
- *Workshop Opening*
- *Improving Human-Agent Conversations by Accessing Contextual Knowledge from Wikipedia*, Alexa Breuing
- *Constructing Collaborative Online Communities for Visualizing Spimes*, Timothy Maciag and Daryl Hepting

Session B (10:20 – 12:00)
- *Automatic Ontology Constructor for Indonesian Language*, Gloria Virginia and Nguyen Hung Son
- *Determining Relevant Product Information Sources*, Matthias Wauer
- *Utilization of Dynamic Reducts to Improve Performance of the Rule-Based Similarity Model for Highly-Dimensional Data*, Andrzej Janusz
- *Workshop Closing Remarks*

WI 2010 Program

Wednesday, September 1 (Building: Accolade West Building [ACW])

Conference Opening (8:15 - 8:30)
Chair: Prof. Jimmy Huang *(York University, Canada)*
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Welcome: Prof. Michael Siu *(Vice-President Research and Innovation, York University)*

WI/IAT: Keynote Speaker (8:30 - 9:30)
Chair: Prof. Nick Cercone *(York University, Canada)*
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Title: Wikipedia and How to Use it for Semantic Document Representation
Speaker: Prof. Ian Witten *(University of Waikato, New Zealand)*

Coffee Break (9:30 - 10:00)
Location: 3rd floor, Accolade West Building

Session 1AM-A1-WI: Web Information Retrieval and Filtering I (ACW 303)
Session Chair: Prof. Yiyu Yao
Session Time: 10:00 - 11:35

Regular Papers:
- Multimodal Image Annotation Using Non-negative Matrix Factorization
  Jaafar BenAbdallah, Juan C. Caicedo, Fabio A. Gonzalez, and Olfa Nasraoui
  Jingyu Sun, Xueli Yu, and Ning Zhong
- Lightweight Clustering Methods for Webspam Demotion
  Thomas Largillier and Sylvain Peyronnet
- Reducing the Cold-Start Problem in Content Recommendation Through Opinion Classification
  Damien Poirier, Françoise Fessant, and Isabelle Tellier
- A Framework for Co-Classification of Articles and Users in Wikipedia
  Lei Liu and Pang-Ning Tan
- Visual Content Structures for Wrapper Induction in Building MetaSearch Systems
  Jyh-Jong Tsay, Chin-Wen Tsay, and Xin-Jie Wang

Session 1AM-A2-WI: Web Mining I (ACW 304)
Session Chair: Prof. William Cheung
Session Time: 10:00 - 11:35

Regular Papers:
- Improving Diversity of Focused Summaries Through Negative Endorsements of Redundant Facts
  Palakorn Achananuparp, Xiaohua Hu, Lifan Guo, Tingting He, Yuan An, and Zhoujun Li

- Automatically Grouping Questions in Yahoo! Answers
  Yajie Miao, Lili Zhao, Chunping Li, and Jie Tang
- Product Feature Mining with Nominal Semantic Structure
  Tian-jie Zhan and Chun-hung Li
- Stakeholder Mining and Its Application to News Comparison
  Tatsuya Ogawa, Qiang Ma, and Masatoshi Yoshikawa
- Exploring Special Items in Multimedia News Based on a Stakeholder Model
  Ling Xu, Qiang Ma, and Masatoshi Yoshikawa

Session 1AM-A3-WI: Semantics and Ontology Engineering I (ACW 305)
Session Chair: Prof. Juanzi Li
Session Time: 10:00 - 11:35

Regular Papers:
- WEST: Weighted-Edge based Similarity Measurement Tools for Word Semantics
  Liang Dong, Pradip K. Srimani, and James Z. Wang
- F-Logic#: Loosely Coupling F-Logic Rules and Ontologies
  Stijn Heymans, Roman Korf, Michael Erdmann, Jörg Pührer, and Thomas Eiter
- Organization of Information for the Web using Hierarchical Fuzzy Clustering Algorithm
  based on Co-Occurrence Networks
  Faraz Zaidi and Guy Melançon
- User-Centered Evaluation Model for Ontology Selection
  Sunju Oh and Heon Y. Yeom
- Domain-Specific Backlinking Services in the Web of Data
  *Manuel Salvadores, Gianluca Correndo, Martin Szomszor, Yang Yang, Nick
  Gibbins, Ian Millard, Hugh Glaser, and Nigel Shadbolt*

WI/IAT Keynote Speaker (11:45 - 12:45)
Chair: Prof. Ali Ghorbani
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Title: Why Robots are More Than Just Agents
Speaker: Prof. Maria Gini *(University of Minnesota, USA)*

Conference Lunch (12:45 - 14:30)
Location: Underground Restaurant

Session 1PM-A1-WI: Search and Ranking (ACW 303)
Session Chair: Prof. Chun-hung Li
Session Time: 14:30 - 16:00

Regular Papers:
- How to Improve Your Google Ranking: Myths and Reality
  Ao-Jan Su, Y. Charlie Hu, Aleksandar Kuzmanovic, and Cheng-Kok Koh
- Making the Most of a Search Session with Maximum Query and Query Cover
  Matthias Hagen and Benno Stein

- Ranking Approaches for Microblog Search
  Rinkesh Nagmoti, Ankur Teredesai, and Martine De Cock
- Let's Trust Users - It Is Their Search
  Pavel Kalinov, Bela Stantic, and Abdul Sattar
- Using Relational Similarity between Word Pairs for Latent Relational Search on the Web
  Nguyen Tuan Duc, Danushka Bollegala, and Mitsuru Ishizuka

Session 1PM-A2-WI: Web Search (ACW 304)
Session Chair: Prof. Marcin Szczuka
Session Time: 14:30 - 16:00

Regular Papers:
- Collaborative Web Search Utilizing Experts' Experiences
  Jingyu Sun, Xueli Yu, and Ning Zhong
- The Effects of Query Bursts on Web Search
  Ilija Subašic and Carlos Castillo
- Predicting Web Search Hit Counts
  Tian Tian, James Geller, and Soon Ae Chun
- Incorporating Seasonality into Search Suggestions Derived from Intranet Query Logs
  Stephen Dignum, Udo Kruschwitz, Maria Fasli, Yunhyong Kim, Dawei Song, Ulises Cerviño Beresi, and Anne de Roeck
- Modeling Users' Information Goal Transitions and Satisfaction Judgment: Understanding The Full Search Process
  Shandian Zhe, Tian Xia, and Xueqi Cheng

Session 1PM-A3-WI: Recommender Systems (ACW 305)
Session Chair: Prof. Seiji Yamada
Session Time: 14:30 - 16:00

Regular Papers:
- Towards Fully Distributed and Privacy-preserving Recommendations via Expert Collaborative Filtering and RESTful Linked Data
  Jae-wook Ahn and Xavier Amatriain
- Niche Product Retrieval in Top-N Recommendation
  Mi Zhang and Neil Hurley
- Improving Privacy-Preserving NBC-Based Recommendations by Preprocessing
  Alper Bilge and Huseyin Polat
- Improving Collaborative Filtering in Social Tagging Systems for the Recommendation of Scientific Articles
  Denis Parra-Santander and Peter Brusilovsky
- Personalized Search Based on a User-Centered Recommender Engine
  Leyla Zhuhadar and Olfa Nasraoui

Coffee Break (16:00 - 16:30)
Location: 3rd floor, Accolade West Building

Session 1PM-B1-WI: Web Information Retrieval and Filtering II (ACW 303)
Session Chair: Prof. Gabriella Pasi
Session Time: 16:30 - 18:00

Regular Papers:
- Language Models and Topic Models for Personalizing Tag Recommendation
  Ralf Krestel and Peter Fankhauser
- An Efficient Method for Tagging a Query with Category Labels using Wikipedia towards Enhancing Search Engine Results
  Milad Alemzadeh and Fakhri Karray
- Group-level Analysis by Extracting Semantic Relations from Query Graph
  Bin Wu, Tian Zhu, Weiduo Wang, Qi Ye, and Bai Wang
- Generating a Context-Aware Sentiment Lexicon for Aspect-Based Product Review Mining
  Jürgen Broß and Heiko Ehrig
- Image Set Classification using Multi-Layer Multiple Instance Learning with Application to Cannabis Website Classification
  Nianhua Xie, Haibin Ling, and Weiming Hu

Session 1PM-B2-WI: Social Network Analysis (ACW 304)
Session Chair: Prof. Ling-Jyh Chen
Session Time: 16:30 - 18:00

Regular Papers:
- Linked Open Social Signals
  Pablo N. Mendes, Alexandre Passant, Pavan Kapanipathi, and Amit P. Sheth
- Identifying Cohesive Subgroups and their Correspondences in Multiple Related Networks
  Prakash Mandayam-Comar, Pang-Ning Tan, and Anil K. Jain
- Investigating Homophily in Online Social Networks
  Halil Bisgin, Nitin Agarwal, and Xiaowei Xu
- Tag Allocation Model: Model Noisy Social Annotations by Reason Finding
  Xiance Si and Maosong Sun
- Empirical analysis and Multiple Level Views in Massive Social Networks
  Qi Ye, Bin Wu, Yuan Gao, and Bai Wang

Session 1PM-B3-WI: Semantics and Ontology Engineering II (ACW 305)
Session Chair: Prof. Vijay Raghavan
Session Time: 16:30 - 18:00

Regular Papers:
- Chem2Bio2RDF: A Linked Open Data Portal for Chemical Biology
  Bin Chen, Ying Ding, Huijun Wang, David J. Wild, Xiao Dong, Yuyin Sun, Qian Zhu, and Madhuvanthi Sankaranarayanan

- Boosting Biomedical Entity Extraction by using Syntactic Patterns for Semantic Relation Discovery
  Svitlana Volkova, Doina Caragea, William H. Hsu, John Drouhard, and Landon Fowles
- Semantic Graph Based Document-Indexing Strategy for MEDLINE
  William P. Taylor and James Z. Wang
- The KGRAM Abstract Machine for Knowledge Graph Querying
  Olivier Corby and Catherine Faron Zucker
- A Hybrid Approach of Personalized Web Information Retrieval
  Namita Mittal, Richi Nayak, M.C. Govil, and K.C. Jain

Reception (6:30pm - 9:00pm)
Location: Underground Restaurant in the Student Center, York University. The President of York University, Prof. Mamdouh Shoukri, will be attending.

Thursday, September 2 (Building: Accolade West Building [ACW])

WI/IAT: Keynote Speaker (8:30 - 9:30)
Chair: Prof. Jimmy Huang *(York University, Canada)*
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Title: The Sensor Web: Unpredictable, Noisy and Loaded with Errors
Speaker: Prof. Alan Smeaton *(Dublin City University, Ireland)*

Coffee Break (9:30 - 10:00)
Location: 3rd floor, Accolade West Building

Session 2AM-A1-WI: WI Foundations (ACW 303)
Session Chair: Prof. Ning Zhong
Session Time: 10:00 - 11:35

Regular Papers:
- Bees Swarm Optimization based Approach for Web Information Retrieval
  Habiba Drias and Hadia Mosteghanemi
- Approximate Causal Representations In The Medical Domain
  Lawrence J. Mazlack
- Using Web-Intelligence for Excavating the Emerging Meaning of Target-Concepts
  Yair Neuman, Gabi Kedma, Yohai Cohen, and Ophir Nave
- A Computational Cognitive Model for Heuristics Retrieving on Human Problem Solving
  Rifeng Wang, Lijuan Wang, Haiyan Zhou, and Jie Xiang
- Stochastic Simulation of Web Users
  Pablo E. Román and Juan D. Velásquez

Session 2AM-A2-WI: Web Mining II (ACW 304)
Session Chair: Prof. Pierre Morizet-Mahoudeaux
Session Time: 10:00 - 11:35

Regular Papers:
- Coauthor Network Topic Models with Application to Expert Finding
  Jia Zeng, William K. Cheung, Chun-hung Li, and Jiming Liu
- Parsing Publication Lists on the Web
  Kai-Hsiang Yang and Jan-Ming Ho
- A Categorized Sentiment Analysis of Chinese Reviews by Mining Dependency in Product Features and Opinions from Blogs
  Hung-Yu Kao and Zi-Yu Lin
- Communication Structure Discovery via Information Asymmetry in an Organizational Social Network
  Cheng-Te Li and Shou-De Lin
- Mining Fine Grained Opinions by Using Probabilistic Models and Domain Knowledge
  Qingliang Miao, Qiudan Li, and Daniel Zeng

Session 2AM-A3-WI: Semantics and Ontology Engineering III (ACW 305)
Session Chair: Prof. Ian Witten
Session Time: 10:00 - 11:35

Regular Papers:
- Semi-automatic Acquisition of Semantic Descriptions of Processes in the Web
    Julia Hoxha and Sudhir Agarwal
- Ontology-based Specific and Exhaustive User Profiles for Constraint Information Fusion for Multi-Agents
    Xiaohui Tao, Yuefeng Li, Raymond Y.K. Lau, and Shlomo Geva
- A Scalable Indexing Mechanism for Ontology-Based Information Integration
    Yingjie Li, Abir Qasem, and Jeff Heflin
- Learning in Presence Of Ontology Mapping Errors
    Neeraj Koul and Vasant Honavar
- TOK: A Meta-model and Ontology for Heterogeneous Terminological, Linguistic and Ontological Knowledge Resources
    Nizar Ghoula, Gilles Falquet, and Jacques Guyot

Session 2PM-A1-WI: Web Support Systems I (ACW 303)
Session Chair: Prof. Peter Brusilovsky
Session Time: 11:45 - 12:45

Regular Papers
- Research Interests: Their Dynamics, Structures and Applications in Web Search Refinement
    Yi Zeng, Erzhong Zhou, Yulin Qin, and Ning Zhong
- Asset-mapping Approaches to Web-based Collaborative Innovation
    Donald Cowan, Paulo Alencar, Fred McGarry, Carlos Lucena, and Ingrid Nunes
- Towards a Self-Regulating Process of Pairwise Comparison in AHP
    Arash Niknafs, Nasrollah Moghaddam Charkari, Seyed Mohammad Hosseini Nasab, and Ali akbar Niknafs

Session 2PM-A2-WI: Web Agents (ACW 304)
Session Chair: Prof. Ali Ghorbani
Session Time: 11:45 - 12:45

Regular Papers
- Effective Web Service Selection via Communities Formed by Super-Agents
    Yao Wang, Jie Zhang, and Julita Vassileva
- Intelligent agents system for evacuation processes modeling
    Robert A. Kosinski and A. Grabowski
- Feedback Dynamic Algorithms for Preemptable Job Scheduling in Cloud System
    Jiayin Li, Meikang Qiu, Jianwei Niu, Wenzhong Gao, Ziliang Zong, and Xiao Qin

Session 2PM-A3-WI: Intelligent Human-Web Interction (ACW 305)
Session Chair: Prof. Udo Kruschwitz
Session Time: 11:45 - 12:45

Regular Papers
- Impacts of Analysts' Cognitive Styles on the Analytic Process
  Eugene Santos Jr., Hien Nguyen, Fei Yu, Deqing Li, and John T. Wilkinson
- Mapping Features to Context Information: Supporting Context Variability for Context-aware Pervasive Applications
  Zakwan Jaroucheh, Xiaodong Liu, and Sally Smith
- Towards Understanding How Personality, Motivation and Events Trigger Web User Activity
  Konstantinos N. Vavliakis, Andreas L. Symeonidis, and Pericles A. Mitkas

Conference Lunch (12:45 - 14:30)
Location: Underground Restaurant

Session 2PM-B1-WI: World Wide Wisdom Web [W4] (ACW 303)
Session Chair: Prof. Yuefeng Li
Session Time: 14:30 - 16:00

Regular Papers:
- Expertise Matching via Constrained-based Optimization
  Wenbin Tang, Jie Tang, and Chenhao Tan
- Enabling Self-organising Service Level Management with Automated Negotiation
  Lei Liu and Hartmut Schmeck
- Integrating Provenance Information in Reservoir Engineering
  Jing Zhao, Na Chen, Karthik Gomadam, and Viktor Prasanna
- Muzk Mesh: Interlinking Semantic Music Data
  Mayank Singhi, Ying Ding, and Yuyin Sun

Session 2PM-B2-WI: Social Intelligent Systems (ACW 304)
Session Chair: Prof. Peter Brusilovsky
Session Time: 14:30 - 16:00

Regular Papers:
- Predicting the Future With Social Media
  Sitaram Asur and Bernardo A. Huberman
- Ant-Based Simulation of Opinion Spreading in Online Social Networks
  Carolin Kaiser, Johannes Kröckel, and Freimut Bodendorf

Session 2PM-B3-WI: Industry Track/Demo Track (ACW 305)
Session Chair: Prof. Dominik Slezak
Session Time: 14:30 - 16:00

Regular Papers:

- SONAR: Towards User-Centric Social Network Analysis and Visualization
    Christian Hütter, Björn-Oliver Hartmann, Klemens Böhm, Till Heistermann, Kevin-Simon Kohlmeyer, Reno Reckling, Martin Reiche, and David Soria Parra
- Exploiting Puzzle Diversity in Puzzle Selection for ESP-like GWAP Systems
    Yu-Song Syu, Hsiao-Hsuan Yu, and Ling-Jyh Chen

Transport to Banquet (18:30 - 19:00)
Banquet (19:00 - 22:30)

Friday, September 3 (Building: Accolade West Building [ACW])

<u>**WI/IAT: Keynote Speaker (8:30 - 9:30)**</u>
Chair: Prof. Mohand-Said Hacid
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Title: Issues on Preference-Modelling and Personalization in Information Retrieval
Speaker: Prof. Pasi Gabriella

Coffee Break (9:30 - 10:00)
Location: 3rd floor, Accolade West Building

<u>**Session 3AM-A1-WI: Web Support Systems II (ACW 303)**</u>
Session Chair: Prof. Peter Brusilovsky
Session Time: 10:00 - 11:35

Regular Papers:
- An Approach to Model and Predict the Popularity of Online Contents with Explanatory Factors
   Jong Gun Lee, Sue Moon, and Kavé Salamatian
- Finding Resources and Collaborators within Digital Collections
   Darina Dicheva and Christo Dichev
- Visualizing blog archives to explore content- and context-related interdependencies
   Justus Bross, Patrick Schilf, and Christoph Meinel
- Improving AbraQ: an Automatic Query Expansion Algorithm
   Glen Robertson and Xiaoying Gao
- Knowledgeable Explanations for Recommender Systems
   Markus Zanker and Daniel Ninaus

<u>**Session 3AM-A2-WI: Web Mining III (ACW 304)**</u>
Session Chair: Prof. Aijun An
Session Time: 10:00 - 11:35

Regular Papers:
- Hierarchical Cost-sensitive Web Resource Acquisition for Record Matching
   Yee Fan Tan and Min-Yen Kan
- A Hybrid Approach to Data Clustering Analysis with K-means and Enhanced Ant-based Template Mechanism
   Wei Zhang, Carl K. Chang, Hen-I Yang, and Hsin-yi Jiang
- Text Clustering via Term Semantic Units
   Liping Jing, Jiali Yun, Jian Yu, and Houkuan Huang
- Estimating News Coverage of Web Search Results
   Adam Jatowt, Yukiko Kawai, and Katsumi Tanaka
- ACO Based Approach and Integrating Information Retrieval Technologies in Selecting Bitmap Join Indexes
   Habiba Drias and Ibtissem Frihi

Session 3AM-A3-WI: Semantics and Ontology Engineering IV (ACW 305)
Session Chair: Prof. Yuh-Jong Hu
Session Time: 10:00 - 11:35

Regular Papers:
- Learning a Large Scale of Ontology from Japanese Wikipedia
  Susumu Tamagawa, Shinya Sakurai, Takuya Tejima, Takeshi Morita, Noriaki Izumi, and Takahira Yamaguchi
- Query Answering in Fuzzy Description Logics with Data Type Support
  Jingwei Cheng, Z.M. Ma, and Yu Wang
- Towards Axiomatizing the Semantics of UML Activity Diagrams: A Situation-Calculus Perspective
  Xing Tan and Michael Gruninger
- SemPIF: A Semantic Meta-Policy Interchange Format for Multiple Web Policies
  Yuh-Jong Hu and Harold Boley
- Ranking Ontologies Using Verified Entities to Facilitate Federated Queries
  Neda Alipanah, Piyush Srivastava, Pallabi Parveen, and Bhavani Thuraisingham

WI/IAT Keynote Speaker (11:45 - 12:45)
Chair: Prof. Takahira Yamaguchi
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Title: Game Theory for Security: Lessons Learned from Deployed Applications
Speaker: Prof. Milind Tambe

Conference Lunch (12:45 - 14:30)
Location: 3rd floor, Accolade West Building

Session 3PM-A1-WI: Web Technologies and Applications (ACW 303)
Session Chair: Prof. Orland Hoeber
Session Time: 14:30 - 16:00

Regular Papers:
- CentralMatch: A Fast and Accurate Method to Identify Blog-Duplicates
  Heejin Park, Sang-Chul Lee, Soon-Haeng Lee, and Sang-Wook Kim
- MapMarker: Extraction of Postal Addresses and Associated Information for General Web Pages
  Chia-Hui Chang and Shu-Ying Li
- Using Web Technologies for Integrative Drug Discovery
  Qian Zhu, Sashikiran Challa, Prajakta Purohit, Yuying Sun, Michael S. Lajiness, David J. Wild, and Ying Ding
- Web Intelligence in Tourism: User Modeling and Recommender System
  Bruno Coleho, Constantino Martins, and Ana Almeida
- Agent-based Online Quality Measurement Approach in Cloud Computing Environment
  Zhenyu Liu, Tiejiang Liu, Tun Lu, Lizhi Cai, and Genxing Yang

Session 3PM-A2-WI: Intelligent e-Technology (ACW 304)
Session Chair: Prof. Nick Cercone
Session Time: 14:30 - 16:00

Regular Papers:
- An Adaptive Model for Probabilistic Sentiment Analysis
  Xiaohui Yu, Yang Liu, and Aijun An
- The Ethicality of Web Crawlers
  Yang Sun, Isaac G. Councill, and C. Lee Giles
- Efficient and Correct Trust Propagation Using CloseLook
  Grzegorz Wierzowiecki and Adam Wierzbicki
- A Strong Authentication Protocol based on Portable One–Time Dynamic URLs
  E. Galán, J.C. Hernández-Castro, A. Alcaide, and A. Ribagorda
- Reachability Analysis in Privacy-Preserving Perturbed Graphs
  Xiaoyun He, Jaideep Vaidya, Basit Shafiq, Nabil Adam, and Xiaodong Lin

Session 3PM-A3-WI: Semantics and Ontology Engineering V (ACW 305)
Session Chair: Prof. Yang Liu
Session Time: 14:30 - 16:00

Regular Papers:
- MQuery: Fast Graph Query via Semantic Indexing for Mobile Context
  Yuan Zhang, Ning Zhang, Jie Tang, Jinghai Rao, and Wenbin Tang
- Modeling Ontology of Folksonomy with Latent Semantics of Tags
  Ali Daud, Juanzi Li, Lizhu Zhou, Lei Zhang, Ying Ding, and Faqir Muhammad
- Impact of One-Timer/N-Timer Object Classification on the Performance of Web Cache Replacement Algorithms
  Saloua Messaoud Abid and Habib Youssef
- Topic Detection for Discussion Threads with Domain Knowledge
  Mingliang Zhu, Weiming Hu, and Ou Wu
- On Using Query Logs for Static Index Pruning
  Hoang Thanh Lam, Raffaele Perego, and Fabrizio Silvestri

Coffee Break (16:00 - 16:30)
Location: 3rd floor, Accolade West Building

Session 3PM-B1-WI: Web Mining IV (ACW 303)
Session Chair: Prof. Jimmy Huang
Session Time: 16:30 - 18:00

Regular Papers:
- DSP: Robust Semi-Supervised Dimensionality Reduction using Dual Subspace Projections
  Su Yan, Sofien Bouaziz, and Dongwon Lee
- Probabilistic Metrics for Soft-Clustering and Topic Model Validation
  Eduardo H. Ramirez, Ramon Brena, Davide Magatti, and Fabio Stella

- Similarity-based Bayesian Learning from Semi-structured Log Files for Fault Diagnosis of Web Services
    Xu Han, Zhongzhi Shi, Wenjia Niu, Kunrong Chen, and Xinghua Yang
- Probabilistic Modeling of User-Generated Reviews
    Richong Zhang and Thomas Tran

Session 3PM-B2-WI: Social Networks and Ubiquitous Intelligence (ACW 304)
Session Chair: Prof. Yang Liu
Session Time: 16:30 - 18:00

Regular Papers:
- Discovering Research Communities by Clustering Bibliographical Data
    Fabrice Muhlenbach and Stéphane Lallich
- Characteristics Estimation of Information Sources by Information Diffusion Analysis
    Kazuhiro Kazama, Miyuki Imada, and Keiichiro Kashiwagi
- Relations Expansion: Extracting Relationship Instances from the Web
    Haibo Li, Yutaka Matsuo, and Mitsuru Ishizuka

Session 3PM-B3-WI: Web Services (ACW 305)
Session Chair: Prof. Aijun An
Session Time: 16:30 - 18:00

Regular Papers:
- Web Service Selection for Multiple Agents with Incomplete Preferences
    Hongbing Wang, Jie Zhang, Cheng Wan, Shizhi Shao, Robin Cohen, Junjie Xu, and Peicheng Li
- Business Process Decomposition based on Service Relevance Mining
    Zicheng Huang, Jinpeng Huai, Xudong Liu, and Jiangjun Zhu
- Learning Task Specific Web Services Compositions with Loops and Conditional Branches from Example Executions
    Harini Veeraraghavan, Roman Vaculín, and Manuela Veloso
- Improving Web Service Survivability via Gracefully Degraded Substitution
    Marlon Dumas, Yong Yang, and Liang Zhang

IAT 2010 Program

Wednesday, September 1 (Building: Accolade West Building [ACW])

Conference Opening (8:15 - 8:30)
Chair: Prof. Jimmy Huang *(York University, Canada)*
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Welcome: Prof. Michael Siu *(Vice-President Research and Innovation, York University)*

WI/IAT: Keynote Speaker (8:30 - 9:30)
Chair: Prof. Nick Cercone *(York University, Canada)*
Location: ACW 206, Accolade West Building, Keele Campus
Title: Wikipedia and How to Use it for Semantic Document Representation
Speaker: Prof. Ian Witten *(University of Waikato, New Zealand)*

Coffee Break (9:30 - 10:00)
Location: 3rd floor, Accolade West Building

Session 1AM-A1-IAT: Agent Systems Modeling and Methodology I (ACW 306)
Session Chair: Prof. Gill Dobbie
Session Time: 10:00 - 11:35

Regular Papers:
- An Agent Model for Decision Making Based upon Experiences Applied in the Domain of Fighter Pilots
  Mark Hoogendoorn, Robbert-Jan Merk, and Jan Treur
- External Coordination Media in Capacity-Constrained Multiagent Systems
  Thomas Kemmerich and Hans Kleine Büning
- Selecting Behavior on Repeated Local Effect Functions
  Kazuho Igoshi and Takao Miura
- Concept Learning Games: The Game of Query and Response
  Nima Mirbakhsh, Arman Didandeh, and Mohsen Afsharchi
- An Organizational Design for Adaptive Sensor Networks
  Walamitien H. Oyenan, Scott A. DeLoach, and Gurdip Singh

Session 1AM-A2-IAT: Agent Systems Modeling and Methodology II (ACW 307)
Session Chair: Prof. Ali Ghorbani
Session Time: 10:00 - 11:35

Regular Papers:
- The Impacts of Diffusion Kernels on Recognition-Primed Multi-Agent Decision Making
  Xiaocong Fan and Meng Su
- Design and Evaluation of Explainable BDI Agents
  Maaike Harbers, Karel van den Bosch, and John-Jules Meyer

- Intelligent Agents in Mobile Vehicular Ad-Hoc Networks: Leveraging Trust Modeling Based on Direct Experience with Incentives for Honesty
  Umar Farooq Minhas, Jie Zhang, Thomas Tran, and Robin Cohen
- A Biologically-Inspired Cognitive Agent Model Integrating Declarative Knowledge and Reinforcement Learning
  Ah-Hwee Tan and Gee-Wah Ng
- Motivated Learning for Goal Selection in Goal Nets
  Huiliang Zhang, Zhiqi Shen, Chunyan Miao, and Xudong Luo

WI/IAT Keynote Speaker (11:45 - 12:45)
Chair: Prof. Ali Ghorbani
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Title: Why Robots are More Than Just Agents
Speaker: Prof. Maria Gini *(University of Minnesota, USA)*

Conference Lunch (12:45 - 14:30)
Location: 3rd floor, Accolade West Building

Session 1PM-A1-IAT: Agent Systems Modeling and Methodology III (ACW 306)
Session Chair: Prof. Robert G. Reynolds
Session Time: 14:30 - 16:00

Regular Papers:
- A Rich Communication Model in Opportunistic Decentralized Decision Making
  Aurélie Beynier and Abdel-Illah Mouaddib
- An Algorithm for Multi-robot Planning: SGInfiniteVI
  Mohamed Amine Hamila, Emmanuelle Grislin-le Strugeon, Rene Mandiau, and Abdel-Illah Mouaddib
- Exploration and Exploitation in Adaptive Trust-Based Decision Making in Dynamic Environments
  Mark Hoogendoorn, S. Waqar Jaffry, and Jan Treur
- Round Tripping in Component Based Software Development
  Yves Wautelet, Sodany Kiv, Vi Tran, and Manuel Kolp
- Monitoring Agent Communication in Soft Real-time Environments
  Andreas L. Symeonidis and Pericles A. Mitkas

Session 1PM-A2-IAT: Agent Systems Modeling and Methodology IV (ACW 307)
Session Chair: *Prof. Takahira Yamaguchi*
Session Time: 14:30 - 16:00

Regular Papers:
- Time-Critical Decision Making in Interactive Dynamic Influence Diagram
  Yifeng Zeng and Yanping Xiang
- Multiagent Meta-level Control for a Network of Weather Radars
  Shanjun Cheng, Anita Raja, and Victor Lesser

- Epsilon-Subjective Equivalence of Models for Interactive Dynamic Influence Diagrams
  Prashant Doshi, Muthukumaran Chandrasekaran, and Yifeng Zeng
- Social Reinforcement Learning for Changing Environments
  Juan A. García-Pardo, J. Soler, and C. Carrascosa

Coffee Break (16:00 - 16:30)
Location: 3rd floor, Accolade West Building

Session 1PM-B1-IAT: Agent Systems Modeling and Methodology V (ACW 306)
Session Chair: Prof. Tan Ah Hwee
Session Time: 16:30 - 18:00

Regular Papers:
- Learning Personal Agents with Adaptive Player Modeling in Virtual Worlds
  Yilin Kang and Ah-Hwee Tan
- An Agent Model for Analysis of Human Performance Quality
  Michel C.A. Klein, Rianne M. van Lambalgen, and Jan Treur
- How Fast Can a BDI Agent Respond?
  Huiliang Zhang, Chunyan Miao, Shell Ying Huang, Zhiqi Shen, and Xudong Luo
- DIRACT: Agent-Based Interactive Storytelling
  Yundong Cai, Zhiqi Shen, Chunyan Miao, and Ah-Hwee Tan

Session 1PM-B2-IAT:Agent Systems Modeling and Methodology VI (ACW 307)
Session Chair: Prof. Yifeng Zeng
Session Time: 16:30 - 18:00

Regular Papers:
- Efficient Value Function Approximation with Unsupervised Hierarchical Categorization for a Reinforcement Learning Agent
  Yongjia Wang and John E. Laird
- Coalition Formation Strategies for Self-Interested Agents in Task Oriented Domains
  Thomas Génin and Samir Aknine
- Coordination of Temporal Plans for the Reactive and Proactive Goals
  Muhammad Adnan Hashmi and Amal El Fallah Seghrouchni
- Empathy and Placebo for Autonomous Agents
  Julien Saunier, Hazaël Jones, and Domitile Lourdeaux

Reception (6:30pm - 9:00pm)
Location: Underground Restaurant in the Student Center, York University. The President of York University, Prof. Mamdouh Shoukri, will be attending.

Thursday, September 2 (Building: Accolade West Building [ACW])

WI/IAT: Keynote Speaker (8:30 - 9:30)
Chair: Prof. Jimmy Huang *(York University, Canada)*
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Title: The Sensor Web: Unpredictable, Noisy and Loaded with Errors
Speaker: Prof. Alan Smeaton *(Dublin City University, Ireland)*

Coffee Break (9:30 - 10:00)
Location: 3rd floor, Accolade West Building

Session 2AM-A1-IAT: Autonomy-Oriented Computing I (ACW 306)
Session Chair: Prof. Ali Ghorbani
Session Time: 10:00 - 11:35

Regular Papers:
- An Agent-Based Modeling Approach to Investigate Emergent Patterns in Ecological Systems
  Jacintha Ellers, Mark Hoogendoorn, and David Wendt
- Towards Efficient Equilibria of Combinations of Network-Formation and Interaction Strategies
  Björn-Oliver Hartmann and Klemens Böhm
- Collaborative Function Approximation in Social Multiagent Systems
  Dominik Dahlem and William Harrison
- Particle Swarm Optimization Based Hierarchical Agglomerative Clustering
  Shafiq Alam, Gillian Dobbie, Patricia Riddle, and M. Asif Naeem

Session 2AM-A2-IAT: Autonomy-Oriented Computering II (ACW 205)
Session Chair: Prof. Jiming Liu
Session Time: 10:00 - 11:35

Regular Papers:
- Distributed Advice-Seeking on an Evolving Social Network
  Golriz Rezaei, Jens Pfau, and Michael Kirley
- Nash Welfare Allocation Problems: Concrete Issues
  Antoine Nongaillard, Philippe Mathieu, and Patricia Everaere
- Understanding the Behaviour of Reactive Robots in a Patrol Task by Analysing Their Trajectories
  Swagat Kumar, Nguyen Huy Thach, and Einoshin Suzuki
- Incentivising cooperation between agents for content sharing
  S.M. Allen, M.J. Chorley, G.B. Colombo, and R.M. Whitaker
- A New Approach in Cooperative Decision Making in Multi-agent Systems Inspired by Human Visual Cortex
  Maryam Esmaeili and Alberto Vancheri

Session 2PM-A1-IAT: Autonomy-Oriented Computering III (ACW 306)
Session Chair: Prof. Robert G. Reynolds
Session Time: 11:45 - 12:45

Regular Papers
- Selecting Operator Queries Using Expected Myopic Gain
    Robert Cohn, Michael Maxim, Edmund Durfee, and Satinder Singh
- Enhancing Cultural Learning under Environmental Variability Using Layered Heterogeneous Sociometry-Based Networks
    Mostafa Z. Ali, Robert G. Reynolds, and Rose Ali
- Trustworthiness Tendency Incremental Extraction Using Information Gain
    Joana Urbano, Ana Paula Rocha, and Eugénio Oliveira

Session 2PM-A2-IAT: Agent Systems Modeling and Methodology VII (ACW 205)
Session Chair: Prof. Milind Tambe
Session Time: 11:45 - 12:45

Regular Papers
- Modular JADE Agents Design and Implementation Using ASEME
    Nikolaos Spanoudakis and Pavlos Moraitis
- Prediction of Humans' Activity for Learning the Behaviors of Electrical Appliances in an Intelligent Ambient Environment
    Javier Gil-Quijano and Nicolas Sabouret

Conference Lunch (12:45 - 14:30)
Location: 3rd floor, Accolade West Building

Session 2PM-B1-IAT: Industry Track (ACW 306)
Session Chair: Prof. Maria Gini
Session Time: 14:30 - 16:00

Regular Papers:
- Integration of Multiagent Systems and Service Oriented Architectures in the Steel Industry
    Sven Jacobi, Christian Hahn, and David Raber
- Agent Technologies for Space Applications: The DAFA Experience
    Francesco Amigoni, Andrea Brambilla, Michèle Lavagna, Rick Blake, Ian le Duc, Jonathan Page, Oliver Page, Sonia de la Rosa Steinz, Robin Steel, and Quirien Wijnands
- Local Search Methods for Finding a Nash Equilibrium in Two-Player Games
    Sofia Ceppi, Nicola Gatti, Giorgio Patrini, and Marco Rocco

Session 2PM-B2-IAT: Autonomous Knowledge and Information Agents (ACW 307)
Session Chair: Prof. Mohand-Said Hacid
Session Time: 14:30 - 16:00

Regular Papers:

- Collaborative Learning of Ontology Fragments by Co-operating Agents
  Heather S. Packer, Nicholas Gibbins, and Nicholas R. Jennings
- Predictive Analytics Using a Blackboard-Based Reasoning Agent
  Jia Yue, Anita Raja, and William Ribarsky
- Using a Social Orientation Model for the Evolution of Cooperative Societies
  Kan-Leung Cheng, Inon Zuckerman, Ugur Kuter, and Dana Nau

Transport to Banquet (18:30 - 19:00)
Banquet (19:00 - 22:30)

Friday, September 3 (Building: Accolade West Building [ACW])

WI/IAT: Keynote Speaker (8:30 - 9:30)
Chair: Prof. Mohand-Said Hacid
Location: ACW 206, 2nd floor, Accolade West Building. Keele Campus
Title: Issues on Preference-Modelling and Personalization in Information Retrieval
Speaker: Prof. Pasi Gabriella

Coffee Break (9:30 - 10:00)
Location: 3rd floor, Accolade West Building

Session 3AM-A1-IAT: Distributed Problem Solving I (ACW 306)
Session Chair: Prof. Robert G. Reynolds
Session Time: 10:00 - 11:35

Regular Papers:
- A Distributed and concurrent Framework for Facilitating Cooperation in Dynamic Environments
    Toktam Ebadi, Maryam Purvis, and Martin Purvis
- Multi-HDCS: Solving DisCSPs with Complex Local Problems Cooperatively
    David Lee, Inés Arana, Hatem Ahriz, and Kit Hui
- Using Negotiation to Reduce Redundant Autonomous Mobile Program Movements
    Natalia Chechina, Peter King, and Phil Trinder
- Continuous Double Auction in Grid Computing: An Agent Based Approach to Maximize Profit for Providers
    Aminul Haque, Saadat M. Alhashmi, and Rajendran Parthiban
- Artifacting the Organizational Mechanisms: Adding Functionality in MAS Environments
    Sergio Esparcia, Estefanía Argente, Roberto Centeno, and Ramón Hermoso

Session 3AM-A2-IAT: Applications I (ACW 307)
Session Chair: Xiaohui Yu
Session Time: 10:00 - 11:35

Regular Papers:
- Enhancing the Interoperability between Multiagent Systems and Service-Oriented Architectures through a Model-Driven Approach
    Christian Hahn, Sven Jacobi, and David Raber
- Behavior Design of Game Character's Agent
    Tony Dujardin and Jean-Christophe Routier
- An Agent-Based Model for the Interplay of Information and Emotion in Social Diffusion
    Mark Hoogendoorn, Jan Treur, C. Natalie van der Wal, and Arlette van Wissen
- Multimodal Spectral Metrics with Discrete Finite Automata for Predicting
- Epileptic Seizures
    Rory A. Lewis and Andrew M. White
- The Agent-Based Hedge Fund
    Rui Pedro Barbosa and Orlando Belo

WI/IAT Keynote Speaker (11:45 - 12:45)
Chair: Prof. Takahira Yamaguchi
Location: ACW 206, 2nd floor, Accolade West Building, Keele Campus
Title: Game Theory for Security; Lessons Learned from Deployed Applications
Speaker: Prof. Milind Tambe

Conference Lunch (12:45 - 14:30)
Location: 3rd floor, Accolade West Building

Session 3PM-A1-IAT: Distributed Problem Solving II (ACW 306)
Session Chair: Prof. Ning Zhong
Session Time: 14:30 - 16:00

Regular Papers:
- A Voting-Based Agent System for Course Selection in E-Learning
   Ali M. Aseere, Enrico H. Gerding, and David E. Millard
- DLB-SDPOP : A Multiagent Pseudo-tree Repair Algorithm for Load Balancing in WLANs
   Shanjun Cheng, Anita Raja, Jiang(Linda) Xie, and Ivan Howitt
- Decentralized Resource Allocation and Scheduling via Walrasian Auctions with Negotiable Agents
   HuaXing Chen and Hoong Chuin Lau
- Knowledge Oriented Network Fault Resolution Method Based on Active Information Resource
   Yusuke Takahashi, Daisuke Misugi, Akira Sakatoku, Akihiro Satoh, Akiko Takahashi, Kazuto Sasai, Gen Kitagata, Toru Abe, and Tetsuo Kinoshita
- A Distributed Asynchronous Constraint Optimization Algorithm Based on Dynamic Reduction of Constraint Graph
   Jian Cao, Sijie Cai, and Yanhai Zhao

Session 3PM-A2-IAT: Applications II (ACW 307)
Session Chair: Prof. Jimmy Huang
Session Time: 14:30 - 16:00

Regular Papers:
- Virtual Agent Perception in Multi-agent Based Simulation Systems
   T. Steel, D. Kuiper, and R.Z. Wenkstern
- An Intelligent Agent-Nased Model for Future Personal Information Markets
   Abdulsalam Yassine, Ali Asghar Nazari Shirehjini, Shervin Shirmohammadi, and Thomas T. Tran
- Modeling Dynamic Groups for Agent-Based Pedestrian Crowd Simulations
   Fasheng Qiu and Xiaolin Hu
- Event Study Approach for Validating Agent-Based Trading Simulations
   Shih-Fen Cheng

- A Framework for Developing Agent-Based Distributed Applications
  Michel Oey, Sander van Splunter, Elth Ogston, Martijn Warnier, and Frances M.T. Brazier
- Reasoning with Imprecise Context Using Improved Dempster-Shafer Theory
  Chang Hoon Lyu, Min Seok Choi, Zhong Yuan Li, and Hee Yong Youn

Coffee Break (16:00 - 16:30)
Location: 3rd floor, Accolade West Building

Session 3PM-B1-IAT: Distributed Problem Solving III (ACW 306)
Session Chair: Prof. Xiaohui Yu
Session Time: 16:30 - 18:00

Regular Papers:
- Getting What You Pay For: Is Exploration in Distributed Hill Climbing Really Worth It?
  Melanie Smith and Roger Mailler
- Effect of Human Biases on Human-Agent Teams
  Praveen Paruchuri, Pradeep Varakantham, Katia Sycara, and Paul Scerri
- Metrics for the Evaluation of DisCSP: Some Experiments on Multi-robot Exploration
  Pierre Monier, Arnaud Doniec, Sylvain Piechowiak, and René Mandiau
- Ordered Multi-variable Multi-constrained Distributed Constraint Optimization Framework
  Christopher Portway and Edmund H. Durfee

Session 3PM-B2-IAT: Autonomous Auctions and Negotiation I (ACW 307)
Session Chair: Prof. Nick Cercone
Session Time: 16:30 - 18:00

Regular Papers:
- Characterization of Revenue Monotonicity in Combinatorial Auctions
  Taiki Todo, Atsushi Iwasaki, and Makoto Yokoo
- Reducing Untruthful Manipulation in Envy-Free Pareto Optimal Resource Allocation
  Roie Zivan, Miroslav Dudík, Steven Okamoto, and Katia Sycara
- An Approach to Scalable Multi-issue Negotiation: Decomposing the Contract Space Based on Issue Interdependencies
  Katsuhide Fujita, Takayuki Ito, and Mark Klein
- An Interaction-Oriented Model of Customer Behavior for the Simulation of Supermarkets
  Yoann Kubera, Philippe Mathieu, and Sébastien Picault

Keynote Speakers

Ian Witten

Professor of Computer Science at the University of Waikato in New Zealand where he directs the New Zealand Digital Library research project. His research interests include language learning, information retrieval, and machine learning.

Speech Title:
Wikipedia and how to use it for semantic document representation.

Abstract

Wikipedia is a goldmine of information; not just for its many readers, but also for the growing community of researchers who recognize it as a resource of exceptional scale and utility. It represents a vast investment of manual effort and judgment: a huge, constantly evolving tapestry of concepts and relations that is being applied to a host of tasks.

This talk focuses on the process of "wikification"; that is, automatically and judiciously augmenting a plain-text document with pertinent hyperlinks to Wikipedia articles as though the document were itself a Wikipedia article. I first describe how Wikipedia can be used to determine semantic relatedness between concepts. Then I explain how to wikify documents by exploiting Wikipedia's internal hyperlinks for relational information and their anchor texts as lexical information. Data mining techniques are used throughout to optimize the models involved.

I will discuss applications to knowledge-based information retrieval, topic indexing, document tagging, and document clustering. Some of these perform at human levels. For example, on CiteULike data, automatically extracted tags are competitive with tag sets assigned by the best human taggers, according to a measure of consistency with other human taggers. All this work uses English, but involves no syntactic parsing, so the techniques are language independent.

Milind Tambe

Professor of Computer Science and Industrial and Systems Engineering at the University of Southern California(USC). He received his Ph.D. from the School of Computer Science at Carnegie Mellon University. He leads the TEAMCORE Research Group at USC, with research is focused on agent-based and multi-agent systems. He is a fellow of AAAI (Association for Advancement of Artificial Intelligence) and recipient of the ACM (Association for Computing Machinery) SIGART Agents Research award. He is also the recipient of a special commendation given by the Los Angeles World Airports police from the city of Los Angeles, USC Viterbi School of Engineering use-inspired research award, Okawa foundation faculty research award, the RoboCup scientific challenge award, and the ACM recognition of service award. Prof. Tambe and his research group's papers have been selected as best papers or finalists for best papers at more than a dozen premier Artificial Intelligence and Operations Research Conferences and workshops, and their algorithms have been deployed for real-world use by several agencies including the LAX police, the Federal Air Marshals service and the Transportation security administration.

Speech Title: Game Theory for Security: Lessons learned from deployed applications.

Abstract

Security at major locations of economic or political importance or transportation or other infrastructure is a key concern around the world, particularly given the threat of terrorism. Limited security resources prevent full security coverage at all times; instead, these limited resources must be deployed intelligently taking into account differences in priorities of targets requiring security coverage, the responses of the adversaries to the security posture and potential uncertainty over the types of adversaries faced.

Game theory is well-suited to adversarial reasoning for security resource allocation and scheduling problems because it suggests randomized policies that mitigate a key vulnerability of human plans: predictability. Casting the problem as a Bayesian Stackelberg game, we have developed new algorithms for efficiently solving such games to provide randomized patrolling or inspection strategies; our algorithms are now deployed in multiple applications. ARMOR (Assistant for Randomized Monitoring over Routes), our first game theoretic application, has been deployed at the Los Angeles International Airport (LAX) since August 2007 to randomizes checkpoints on the roadways entering the airport and canine patrol routes within the airport terminals. IRIS, our second application, is a game-theoretic scheduler for randomized deployment of the Federal Air Marshals (FAMS) requiring significant scale-up in underlying algorithms; IRIS was put into use to generate schedules in late 2009 with first schedules created by IRIS flown by air marshals starting January 2010. Finally, GUARDS has been deployed by the TSA (Transportation Security Administration) at the Pittsburgh and LAX airports starting October 2009 for pilot evaluation with a goal of potential larger-scale deployments. These applications are leading to real-world use-inspired research. This talk will outline our algorithms, key research results and lessons learned from these applications.

Alan Smeaton

Since 1997 Alan Smeaton has been a Professor of Computing at Dublin City University where he is Deputy Director of CLARITY: Centre for Sensor Web Technologies. His research interests are in the management of all kinds of heterogeneous, noisy, and errorsome data. Initially his research focused on searching through text archives and then moved to image search and on to video analysis, indexing and retrieval. Since 2001 Alan has been a founder and coordinator of TRECVid, an annual benchmarking activity with worldwide participation of approximately 400 researchers which measures the effectiveness of content-based operations on video archives. More recently Alan has focused his work on managing information from heterogeneous sensor networks, making sense of the flood of data that comes from sensor applications in fields as diverse as energy monitoring, sports participation, injury rehabilitation, digital lifelogging, and environmental monitoring.

Speech Title: The Sensor Web: Unpredictable, Noisy and Loaded with Errors.

Abstract

Classical information retrieval is based around a user having an information need, formulated as a query, and a system which matches the query against 'documents', retrieving those most likely to be relevant. In some applications there are challenges because the 'documents' are not discrete objects but highly inter-connected, and IR research has for decades developed models of the processes, devised novel ranking algorithms, and developed very elaborate benchmarking techniques for performance. But what if the information we need or seek is not neatly divided into documents, either discrete or inter-connected, but needs to be taken from a constant stream of data values, namely data from sensors. These sensors cover the physical sensors around us (environment, place, physical activities like traffic, weather, people movement, crowd gatherings like concerts and sports events) as well as the online sensors we have access to (blogs, tweets, etc.). Often termed the *sensor web*, this information source is characterised as being noisy, errorsome, unpredictable and dynamic, exactly like the real and the virtual worlds in which we live, work and play. In this presentation I introduce several diverse sensor web applications to show the breadth and pervasive nature of the sensor web and I then show some of the techniques which we use to manage the information which forms part of the sensor web.

Pasi Gabriella

Professor at the Universita' Degli Studi di Milano Bicocca, Milano, Italy, where she leads the Information Retrieval research Lab. Her research activity mainly concerns the modelling and design of flexible and personalized systems for the management and access to information. She is actually working on XML retrieval, Personalized Information Retrieval, Information Filtering, Document Clustering, Preference Modelling. She has co-edited seven books e several special issues of International Journals. She has published more than 170 papers on International Journals and Books, and on the Proceeding of International Conferences. She is a member of the Editorial Board of several international journals among which Fuzzy Sets and Systems (Elsevier), Web Intelligence and Agent Systems (IOS Press), and the Journal of Computational Intelligence Systems (IJCIS), Atlantis Press.

Speech Title: Issues on preference-modelling and personalization in Information Retrieval.

Abstract

In recent years there has been a great deal of research about personalization in information access. The main issue is to improve the quality of search by producing user-tailored results related to specific user needs.

In this context two key research problems concerns how to model user preferences, and how to exploit them in effective personalisation processes. This talk will address the above problems, and will discuss some important issues related to their possible solutions. The talk will also point out some research directions worth to be explored.

Maria Gini

Distingushed Professor of the College of Science and Engineering at the University of Minnesota. She specializes in the design of multi-robot and multi-agent systems that are capable of making intelligent decisions. Such systems range from software agents to robots that move in unstructured and unknown environments and to autonomous vehicles that search a city to rescue people after a disaster. She is a Fellow of the AAAI and a Distinguished Scientist of the ACM. She is the chair of the ACM Special Interest Group on Artificial Intelligence (SIGART), a member of the board of the Autonomous Agents and Multi-Agent Systems society, and a member of the CRA-W board co-chairing the Distributed Research Experiences for Undergraduates (DREU) program.

Speech Title: Why robots are more than just agents.

Abstract: Robots are more than just agents because they have a physical body and interact with the real world through their sensors and actuators. They also have limited power supply and often limited communications capabilities. In the talk we will explore how this affects the design of robot systems and address open challenges in design, validation, and performance evaluation of robot systems using a variety of examples

Conference Organizing Committee

Conference Chair: Nick Cercone (York University, Canada)

Program Chair: Jimmy Huang (York University, Canada)

WI Program Co-Chairs: Irwin King (Chinese University of Hong Kong, Hong Kong)
                                 Vijay Raghavan (University of Louisiana, USA)
                                 Stefan Rueger (The Open University, United Kingdom)

IAT Program Co-Chairs: Takahira Yamaguchi (Keio University, Japan)
                                 Ali A. Ghorbani (University of New Brunswick, Canada)
                                 Mohand-Said Haci (Universite Claude Bernard Lyon 1, France)

Organizing Co-Chairs: Aijun An (York University, Canada)
                                 Thomas Lynam (York University, Canada)
                                 Marshall Walker (York University, Canada)

Workshop Co-Chairs: Orland Hoeber (Memorial University of Newfoundland, Canada)
                                 Yuefeng Li (Queensland University of Technology, Australia)

Tutorial Co-Chairs: Sourav Saha Bhowmick (Nanyang Technological University,
                                 Singapore)
                                 Mounia Lalmas (University of Glasgow, UK)

Industry-Demo Chairs: Dominik Siezak (Infobright Inc., Canada)
                                 Tony Abou-Assaleh (GenieKnows.com, Canada)

Local Accommodation Chair: Ellis Lau (York University, Canada)

Registration Chair: Qinmin Vivian Hu (York University, Canada)

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 Institue 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 (Standford University, USA)
                                 Setsuo Ohsuga (Tokyo University, Japan)
                                 Benjamin Wah (University of Illinois, Urbana-Champaign USA)
                                 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 (STI/University of Innsbruck, Austria)
	George Gottlob (Oxford University, UK)
	Lakhmi Jain (University of South Australia, Australia)
	Jianchang Mao (Yahoo! Inc., USA)
	Pierre Morizet-Mahoudeaux (Compiegne University of Technology, France)
	Hiroshi Motoda (Osaka University, Japan)
	Toyoaki Nishida (Kyoto University, Japan)
	Andrzej Skowron (Warsaw University, Poland)
	Jinglong Wu (Okayama, Japan)
	Xindong Wu (University of Vermont, USA)
	Yiyu Yao (University of Regina, Canada)
Webmaster:	Dawid Kasperowicz (York University, Canada)
Co-Webmaster:	Jun Miao (York University, Canada)
Program Vice Chairs:	Olivier Boissier, ENSME, France
	Brahim Chaib-draa, Laval University, Canada
	Jerg Denzinger, University of Calgary, Canada
	Chihab Hanachi, Universite Toulouse1, Tunisia
	Takayuki Ito, Nagoya Institute of Technology, Japan
	Xiaolong Jin, University of Bradford, UK
	Zbigniew Ras, University of North Carolina, Charlotte, USA
	Eugene Santos Jr., Dartmouth College, United States
	Zhongzhi Shi, Institute of Computing Technology, Chinese Academy of Sciences, China
	Marius C. Silaghi, Florida Institute of Technology, USA
	Ah Hwee Tan, School of Computer Engineering and Intelligent Systems Centre, Nanyang Technological University, Singapore
WI-Track:	Rajendra Akerkar, Western Norway Research Institute, Norway
	David Bainbridge, University of Waikato, New Zealand
	Cory Butz, University Of Regina, Canada
	Keith C.C. Chan, Hong Kong Polytechnic University, Hong Kong
	Yiu-ming Cheung, Hong Kong Baptist University, Hong Kong
	Fabio Crestani, University of Lugano, Switzerland
	Mathieu d'Aquin, The Open University, UK
	Samuel Kaski, Aalto University, Finland
	Minkoo Kim, Ajou University, S. Korea
	Irena Koprinska, University of Sydney, Australia
	Narayanan Kulathuramaiyer, Faculty of Computer Science and Information Technology, Universiti Malaysia Sarawak, Malaysia
	Joao Magalhaes, Universidade Nova de Lisboa, Portugal
	Biren Shah, Hewlett Packard, USA
	Dominik Slezak, University of Warsaw & Infobright Inc., Poland, Poland
	Jie Tang, Tsinghua University, China

Shalini Urs, Univ. of Mysore, India
Ying Xie, , Kennesaw State University, USA
Hui Xiong, Rutgers University, USA

IAT-Track:

Olivier Boissier, ENSME, France
Brahim Chaib-draa, Laval University, Canada
Jerg Denzinger, University of Calgary, Canada
Chihab Hanachi, Universite Toulouse1, Tunisia
Takayuki Ito, Nagoya Institute of Technology, Japan
Xiaolong Jin, University of Bradford, UK
Zbigniew Ras, University of North Carolina, Charlotte, USA
Eugene Santos Jr., Dartmouth College, United States
Zhongzhi Shi, Institute of Computing Technology, Chinese
Academy of Sciences, China
Marius C. Silaghi, Florida Institute of Technology, USA
Ah Hwee Tan, School of Computer Engineering and Intelligent
Systems Centre, Nanyang Technological University, Singapore

**WI'10 Program
Committee Members:**

Ajith Abraham, Machine Intelligence Research Labs (MIR Labs),
USA
Xiangdong An, York University, Canada
Maristella Agosti, University of Padua, Italy
Reda Alhajj, University of Calgary, Canada
Luis Antunes, Universidade de Lisboa, Portugal
Helen Ashman, University of South Australia, Australia
Ching Man Au Yeung, NTT Communication Science Laboratories,
Japan
Leif Azzopardi, University of Glasgow, UK
Ebrahim Bagheri, National Research Council of Canada, Canada
Mert Bal, Yildiz Technical University, Turkey
Michel BEIGBEDER, Ecole Nationale Superieure des Mines de
Saint-Etienne, France
Sonia Bergamaschi, University of Modena and Reggio Emilia, Italy
Shlomo Berkovsky, CSIRO, Tasmanian ICT Centre, Australia
Raj Bhatnagar, University of Cincinnati, USA
Gloria Bordogna, Consiglio Nazionale delle Ricerche, Italy
Patrick Bosc, IRISA/ENSSAT, FRANCE
Omar Boucelma, University of Aix-Marseille 3, France
Mohand Boughanem, Universite de Toulouse - IRIT, Toulouse,
France
Peter Brusilovsky, University of Pittsburgh, USA
Wray Buntine, NICTA Canberra Research Laboratory, Australia
Longbing Cao, UTS, Australia
Claudio Carpineto, Fondazione Ugo Bordoni, Italy
Sylvie Cazalens, Universite de Nantes, LINA, France
Stefano Ceri, Politecnico di Milano, Italy
Jonathan Chan, King Mongkut's University of Technology
Thonburi, Thailand
Liming Chen, University of Ulster, UK
Ling-Jyh Chen, Academia Sinica, Taiwan
Meng Chang Chen, Academia Sinica, Taiwan

Sheng-Wei (Kuan-Ta) Chen, Academia Sinica, Taiwan
Hong Cheng, The Chinese University of Hong Kong, Hong Kong
William k. Cheung, Hong Kong Baptist University, Hong Kong
Paul-Alexandru Chirita, Adobe Systems, Romania
Suresh Choubey, GE Healthcare, USA
Ruth Cobos, Universidad Autonoma de Madrid, Spain
Nigel Collier, National Institute of Informatics, Japan
Sara Comai, Politecnico di Milano, Italy
Juan Carlos Cubero, University of Granada, Spain
Alfredo Cuzzocrea, DEIS-Unical, Italy
Claudia d'Amato, Universita' degli studi di Bari, Italy
Swagatam Das, Jadavpur University, India
Martine De Cock, Ghent University, Belgium
Arjen de Vries, CWI, Netherlands
Jean-Yves Delort, Macquarie University / Capital Markets CRC,
Australia
Hongbo Deng, The Chinese University of Hong Kong, Hong Kong
Ying Ding, Indiana University, USA
Josep Domenech, Universidad Politecnica de Valencia, Spain
Nicola Fanizzi, Universita' degli studi di Bari, Italy
Shaheen Fatima, Loughborough University, UK
Paul Ferguson, Dublin City University, Ireland
Juan M. Fernandez-Luna, University of Granada, Spain
Nicola Ferro, University of Padua, Italy
Naoki Fukuta, Shizuoka University, Japan
Fabien Gandon, INRIA, France
Serge Garlatti, Institut Telecom, Telecom Bretagne, France
Susan Gauch, University of Arkansas, USA
Marc Gelgon, University of Nantes, France
Mathias Gery, Universite of Lyon, Laboratoire Hubert Curien -
UMR CNRS 5516, France
Jose A. Gil, Universitat Politecnica de Valencia, Spain
Marco Gori, University of Siena, Italy
Venkat Gudivada, Marshall University, USA
Cathal Gurrin, Dublin City University, Ireland
Allan Hanbury, Information Retrieval Facility, Austria
Fumio Hattori, Ritsumeikan University, Japan
Haibo He, University of Rhode Island, USA
Enrique Herrera-Viedma, university of granada, spain
Chu-Hong Hoi, Nanyang Technological University, Singapore
Dan Hong, Hong Kong University of Science and Technology,
Hong Kong
Masahiro Hori, Kansai University, Japan
Xiaohua Tony Hu, Drexel University, USA
Yuh-Jong Hu, National Chengchi University, Taiwan
Joshua Huang, Shenzhen Institutes of Advanced Technology,
Chinese Academy of Sciences, China
Kaizhu Huang, The Chinese Academy of Sciences, China
Tom Johnsten, University of South Alabama,, USA
Joemon Jose, University of Glasgow, UK
Janusz Kacprzyk, Systems Research Institute, Polish Academy of

Sciences, Poland
Jaap Kamps, University of Amsterdam, Netherlands
Hideyuki Kawashima, Tsukuba University, Japan
Gabriella Kazai, Microsoft Research, UK
Larry Kerschberg, George Mason University, USA
Tai-Hoon Kim, Hannam University, Korea
Tetsuo Kinoshita, Tohoku University, Japan
Mieczyslaw Klopotek, Polish Academy of Sciences, Poland
Walter Kosters, Universiteit Leiden, The Netherlands
Donald H. Kraft, Louisiana State University, USA
Udo Kruschwitz, University of Essex, UK
Philippe Lamarre, University of Nantes, France
Birger Larsen, Royal School of Library and Information Science,
Denmark
Yuh-Jye Lee, National Taiwan University of Science and
Technology, Taiwan
C. H. Li, Hong Kong Baptist University, China
Juanzi Li, Tsinghua University, China
Qing Li, City University of Hong Kong, Hong Kong
Tao Li, Florida International University, USA
Wenbin Li, School of Information Engineering, Shijiazhuang
University of Economics, China
Tsau Young Lin, San Jose State University, USA
Pawan Lingras, Saint Marys University Halifax, Nova Scotia,
Canada
Chao-Lin Liu, National Chengchi University, Taiwan
Jiming Liu, Hong Kong Baptist University, Hong Kong
Yang Liu, Shandong University, China
Yangguang Liu, Ningbo Institute of Technology, Zhejiang
University, China
Vincenzo Loia, University of Salerno, Italy
Hao Ma, The Chinese University of Hong Kong, Hong Kong
Thomas Mandl, Universitet Hildesheim, Germany
Massimo Marchiori, UNIPD and UTILABS, Italy
Stefania Marrara, University of Milan, Italy
Ana Maria Martinez-Enriquez, CINVESTAV-IPN, Mexico
Andrea Maurino, University of Milano Bicocca, Italy
Xiaofeng Meng, Renmin University of China, China
Paolo Merialdo, Universita' Roma Tre, Italy
Alberto Messina, RAI - Centre for Research and Technological
Innovation, Italy
Duoqian Miao, Tongji University, China
Qian Mo, Beijing Technology and Business University, China
Pierre Morizet-Mahoudeaux, University of Technology of
Compiegne, France
Michael Mrissa, University of Lyon, France
Jianyun Nie, Universiti de Montrial, Canada
Steven Noel, George Mason University, USA
Matteo Palmonari, Universita di Milano Bicocca, Italy
Junfeng Pan, Google Inc., USA
Seog Park, Sogang University, Korea

Alfredo Petrosino, DSA-University of Naples "Parthenope", Italy
Giuseppe Psaila, Universite degli Studi di Bergamo, Italy
Guillaume Raschia, Universite de Nantes, France
Antonin Rozsypal, On Semiconductor, Czech Republic
Shigeaki Sakurai, Toshiba Corporation/Tokyo Institute of Technology, Japan
Ralf Schenkel, Saarland University and Max-Planck-Institut Informatik, Germany
Florence Sedes, IRIT Toulouse, France
Dou Shen, Microsoft Adcenter Labs, U.S.A
Qiang Shen, Aberystwyth University, UK
Amandeep Sidhu, WA Centre for Comparative Genomics, Murdoch University, Australia
Stefan Siersdorfer, L3S Research Center Hannover, Germany
Andrzej Skowron, Warsaw University, Poland
Alan Smeaton, Dublin City University, Ireland
Joan Smith, Emory University, USA
Fabio Stella, Universita di Milano Bicocca, Italy
Umberto Straccia, ISTI-CNR, Italy
Heiner Stuckenschmidt, University of Mannheim, Germany
L Venkata Subramaniam, IBM India Research Lab, India
John Sum, Insitute of Technology Management, National Chung Hsing University, Taiwan
Aixin Sun, Nanyang Technological University, Singapore
Marcin Sydow, Web Mining Lab, Polish-Japanese Institute of Information Technology, Poland
Marcin Szczuka, The University of Warsaw, Poland
Yasufumi Takama, Tokyo Metropolitan University, Japan
Pang-Ning Tan, Michigan State University, United States
Xiaohui Daniel Tao, Queensland University of Technology, Australia
Hiroyuki Tarumi, Kagawa University, Japan
Pierre Tchounikine, LIG, Universite de Grenoble 1, France
Paul Thompson, Dartmouth College, USA
Theodora Tsikrika, CWI, Netherlands
Maria Vargas-Vera, The Open University, UK
Athanasios Vasilakos, University of Western Macedonia, Greece
Jose Vidal, University of South Carolina, USA
Maurizio Vincini, Universita' di Modena e Reggio Emilia, Italy
Gottfried Vossen, University of Munster, Germany
Fang Wang, Pervasive ICT Center, UK
Huanjing Wang, Western Kentucky University, USA
Ryen White, Microsoft Research, USA
Erik Wilde, UC Berkeley, USA
Tak-Lam Wong, The Chinese University of Hong Kong, Hong Kong
Xindong Wu, University of Vermont, USA
Zenglin Xu, Max Planck Institute for Informatics, Germany
Ron Yager, Iona College, USA
Seiji YAMADA, National Institute of Informatics, Japan
Haixuan Yang, Royal Holloway University of London, England

Kun Yang, University of Essex Essex, UK
Zhirong Yang, Aalto University School of Science and Technology, Finland
JingTao Yao, University of Regina, Canada
John Yoon, Mercy College, USA
Slawomir Zadrozny, Polish Academy of Sciences, Poland
Ruofei (Bruce) Zhang, Yahoo! Labs, USA
Yan-Qing Zhang, Georgia State University, United States of America
Yanchang Zhao, Centrelink, Australia
Aoying Zhou, East China Normal University, China
Lina Zhou, University of Maryland, USA
Jianke Zhu, ETH Zurich, Switzerland
Wojciech Ziarko, University of Regina, Canada

IAT'10 Program Committee Members:

Reda Alhajj, University of Calgary, Canada
Francesco Amigoni, Politecnico di Milano, Italy
Xiangdong An, York University, Canada
Jean-Paul Barthes, University of Compiegne, France
Guido Boella, Universite di Torino, Italy
Magnus Boman, Royal Institute of Technology (KTH) and SICS, Sweden
Wray Buntine, NICTA, Australia
Longbing Cao, UTS, Australia
Luigia Carlucci Aiello, Sapienza Universite di Roma, Italy
Massimo Cossentino, ICAR-CNR, Italy
Celia da Costa Pereira, Universite degli Studi di Milano, Italy
Wei Dai, Victoria University, Australia
Prithviraj Dasgupta, University of Nebraska, Omaha, USA
Yves DEMAZEAU, CNRS, France
Michel C. Desmarais, Ecole Polytechnique de Montreal, Canada
Frank Dignum, Utrecht University, NL
Virginia Dignum, Delft University of Technology, Netherlands
Hakan Duman, British Telecom, UK
Tapio Elomaa, Tampere University of Technology, Finland
Xiaocong Fan, The Pennsylvania State University, United States
Klaus Fischer, German Research Center for AI, Germany
Adam Maria Gadomski, Cognitive Research Interuniversity Center ECONA, Italian Research Agency ENEA, Italy
Matjae Gams, Joeef Stefan Institute, Slovenia
Nicola Gatti, Politecnico di Milano, Italy
Joseph A. Giampapa, Carnegie Mellon University, USA
Maria Gini, University of Minnesota, United States
Paolo Giorgini, University of Trento, Italy
Vladimir Gorodetsky, St.Petersburg Institute for Informatics and Automation, Russia
Steve Goschnick, University of Melbourne, Australia
Eric Gregoire, CRIL CNRS, France
Daniel Grosu, Wayne State University, USA
Mirsad Hadzikadic, UNC Charlotte, USA
Ahmed Hambaba, San Jose State University, USA

Fumio Hattori, Ritsumeikan University, Japan
Vasant Honavar, Iowa State University, United States
Mark Hoogendoorn, Vrije Universiteit Amsterdam, Netherlands
Michael D. Howard, HRL Laboratories LLC, USA
Catholijn Jonker, Delft University of Technology, Nederland
Hyuckchul Jung, Florida Institute for Human and Machine Cognition, USA
Anthony Karageorgos, Technological Education Institute of Larissa, Greece
Oleg Karsaev, St.Petersburg Institute for Informatics and Automation, Russia
Radoslaw Piotr Katarzyniak, Wroclaw University of Technology, Poland
Tetsuo Kinoshita, Tohoku University, Japan
Sebastien Konieczny, CRIL, France
Daniel Kudenko, University of York, UK
SATOSHI KURIHARA, Osaka Univ., Japan
Hoong Chuin Lau, Singapore Management University, Singapore
Ioan Alfred Letia, Technical University of Cluj-Napoca, Romania
Churn-Jung Liau, Academia Sinica, Taiwan
Seng Loke, La Trobe University, Australia
Alessio Lomuscio, Imperial College London, UK
Carlo Mastroianni, ICAR-CNR, Italy
John-Jules Meyer, Utrecht University, The Netherlands
Grazyna Mirkowska-Salwicka, University Cardinal Stefan Wyszynski, Faculty of Mathematics and Natural Sciences, Poland
Pericles Mitkas, Aristotle University of Thessaloniki, Greece
Haralambos Mouratidis, University of East London, United Kingdom
Joerg P. Mueller, TU Clausthal, Germany
Tracy Mullen, The Pennsylvania State University, USA
Filippo Neri, University of Naples, Italy
Eugenio Oliveira, Faculdade de Engenharia da Universidade do Porto - DEI - LIACC, Portugal
Andrea Omicini, Alma Mater Studiorum - Universite di Bologna, Italy
Luigi Palopoli, DEIS, Universita della Calabria, Italy
Michal Pechoucek, Agent Technology Center, FEE, Czech Technical University in Prague, Czech Republic
Witold Pedrycz, Czech Technical University, Czech Republic, Canada
Agostino Poggi, DII - University of Parma, Italy
Martin Purvis, University of otago, New Zealand
Iyad Rahwan, Masdar Institute & MIT, UAE
Sheela Ramanna, University of Winnipeg, Canada
Alessandro Ricci, University of Bologna, Italy
Juan Antonio Rodriguez, IIIA, Spain
Pierre-Yves Schobbens, Universite de Namur, Belgium
Pradip Srimani, Clemson University, USA
Jaroslaw Stepaniuk, Bialystok University of Technology, Poland
Toshiharu Sugawara, Waseda University, Japan

Gita Sukthankar, University of Central Florida, USA
Andrea giovanni battista Tettamanzi, Universite degli Studi di Milano, Italy
George Tsihrintzis, University of Piraeus, Greece
Angelina Tzacheva, University of South Carolina Upstate, USA
Richard Wallace, University College Cork, Ireland
Danny Weyns, Katholieke Universiteit Leuven, Belgium
Makoto Yokoo, Kyushu University, Japan
Franco Zambonelli, University of Modena and Reggio Emilia, Italy
Markus Zanker, University Klagenfurt, Austria
Jie Zhang, Nanyang Technological University, Singapore
Wei Zhang, The Boeing Company, USA
Elizabeth Sklar,City University of New York, USA
Heikki Helin, CSC - IT Center for Science, Finland
Maria Fasli, University of Essex, UK

WI'10 Non-PC Reviewers:

Adeel Anjum	Amin Milanifard
Jöran Beel	Maurizio Montagnuolo
Marko Boskovic	Nicola Montecchio
Evan Brown	Zeinab Noorian
Pierrick Bruneau	Masayuki Okabe
Chien-Liang Chen	Hsing-Kuo Pao
Feilong Chen	Quang-Khai Pham
Yi-Hsuan Chuang	Antoine Pigeau
Marco Comerio	Anjum Reyaz-Ahmed
Bolin Ding	Jared Ring
Zejin Ding	Hadi Shiravi
Marco Dussin	Gianmaria Silvello
Timur Fayruzov	Ankur Teredesai
Samah Fodeh	Patricia Victor
Bela Gipp	Chi Wang
Ben He	De-Nian Yang
Hailong Hou	Zheng Ye
Vivian Qinmin Hu	Mi-Yen Yeh
Xide Lin	Yi-Ren Yeh
Prakash Mandayam	Xiaoshi Yin
Jun Miao	

IAT'10 Non-PC Reviewers:

Lucas Agussurja	Salvatore Lopes
Bruno Beaufils	Lena Mashayekhy
Staphane Cardon	Bertrand Mazure
Thomas Carroll	Cedric Piette
Sofia Ceppi	Alina Pommeranz
Shih-Fen Cheng	Jung-woo Sohn
Patricia Everaere	Ramesh Thangarajoo
Nandan Garg	Dmytro Tykhonov
Alfredo Garro	Pradeep Varakantham
Ben He	Wietske Visser
Christophe Lecoutre	Sharrukh Zaman
Carmelo Lodato	Jessie Zhao

Restaurants Inside York University
(For more locations, please visit: http://www.yorku.ca/foodservices/locations)

Executive Dining Room
Schulich Executive Learning Centre
(416) 736-5342

Tuchner's
Seymour Schulich Building
(416) 736-5846

Berries and Blooms
York Lanes Retail Centre Food Court
(416) 663-0030

Jimmy the Greek
Student Centre
(416) 736-5860

Pagoda
Student Centre
(416) 736-5873

The Original Panzerotto and Pizza
Student Centre
(416) 736-5889

Wendy's
Student Centre
(416) 736-5832

The Great Canadian Bagel
York Lanes Retail Centre Food Court
(416) 736-5555

Tastes Healthy Foods
York Lanes Retail Centre Food Court
(416) 736-5952

Mangia Mangia Italian Eatery
York Lanes Retail Centre Food Court
(416) 736-9484

Blueberry Hill
York Lanes Retail Centre Food Court
(416) 736-5594

Timothy's Market Café
Seymour Schulich Building
(416) 736-5342

Atkinson College Cafeteria
Atkinson College (lower level)
(416) 736-5326

The Underground Restaurant
Student Centre
(416) 736-5110
http://www.myunderground.ca/

KFC & Taco Bell
Student Centre
(416) 736-5897

Subway
Student Centre
(416) 739-8555

Treats Café Emporium
Student Centre
(416) 736-5861

Yogen Fruz
Student Centre
(416) 736-5636

Indian Flavour
York Lanes Retail Centre Food Court
(416) 663-2666

Sakura Japanese Restaurant
York Lanes Retail Centre Food Court
(416) 736-5471

Falafel Hut Village
York Lanes Retail Centre Food Court
(416) 736-5767

Company's Coming Café
York Lanes Retail Centre Food Court
(416) 650-0191

Great Restaurants in the GTA

Italian

Vibo
2995 Bloor St. West, Toronto M8X C1C
(416) 239-1286
http://www.vibo.ca

Strada
2279 Bloor Street West, Toronto M6S 1P1
(416) 761-7494)
http://www.stradarestaurant.com

La Fenice
319 King Street West, Toronto M5V 1J5
(416) 585-2377
http://www.lafenice.ca

Spuntini Italian Restaurant
116 Avenue Road, Toronto M5R 2H4
(416) 962-1110
http://www.spuntini.ca

Asian

Yamato Japanese Restaurant
24 Bellair Street, Toronto M5R 2C7
(416) 927-0077
http://yamato.sites.toronto.com

Aki da Japanese Restaurant
1911 Queen Street East, Toronto M4L 1H3
(416) 691-2788
http://akida.sites.toronto.com

Crystal Rolls Pan Asian Cuisine
372 Bloor St. West, Toronto M5S 1X2
(416) 921-6787
http://www.crystalrolls.com

Genghis Khan Mongolian Grill
900 Don Mills Road, North York M3C 1V6
(416) 449-8228
http://www.genghiskhanmongoliangrill.com

French

Celestin
623 Mount Pleasant Rd, Toronto M4S 2M9
(416) 544-9035
http://celestin.sites.toronto.com

Cru Restaurant
946 Royal York Road, Etobicoke M8X 2E5
(416) 237-1282
http://www.crurestaurant.ca

Flight 55 Restaurant & Lounge
713 College Street, Toronto M6G 1C2
(416) 533-6849
http://www.flight55.ca

Marcel's Bistro & Lounge
315 King Street West, Toronto M5V 1J5
(416) 519-8600
http://www.marcels.com

Indian

Chakra Indian Restaurant
2497 Yonge Street, Toronto M4P 2H6
(416) 487-7188
http://www.chakra.to

Nirvana the Flavours of India
35 Brunel Road, Mississauga L4Z 3E8
(905) 501-5500
http://www.nirvanatheflavoursofindia.com

Jaaadu Restaurant
1415 Yonge Street, Toronto M4T 1Y7
(416) 944-8885
http://www.jaaadu.com

Saffrontree Fine Indian Restaurant
700 Bay Street, Toronto M5G 1Z6
http://www.shopsquareone.com

Internet Access

York Univiersity will be providing 300 AirYork accounts for the conference attendances during the conference period. These accounts will enable Internet access while on York University campus.

Transit Information

Toronto Transit Commission

http://www.toronto.ca/ttc/

Go Transit

http://www.gotransit.com/

Viva York Transit

http://www.vivayork.com/

Getting to Downtown Toronto (Union Station) from YorkU

Using TTC (Duration: ~45 minutes)
1. Begin at YorkU in front of the Student Center building at the TTC stops
2. Take Express Bus 196 or Bus 106
3. Get off at the Downsview Subway Station
4. Get on the subway to Union Station (or another station close to your destination)

Getting to the Toronto Pearson International Airport from YorkU

Using TTC (Duration: ~90 minutes)
1. Begin at YorkU in front of the Student Center building at the TTC stops
2. Take Express Bus 196 or Bus 106
3. Get off at the Downsview Subway Station
4. Get on the subway line to Lawrence West
5. Take the 58 Malton bus to Toronto Pearson International Airport

Taxi (Duration: ~20 minutes)
YorkU recommends using the Beck Taxi (http://www.bexktaxi.com). To get a cab, please call them at: (416) 751-5555.

> ***For more TTC information, please visit their website or call them at:***
> ***(416) 393-INFO***

Major Attractions in the GTA

CN Tower
301 Front Street West,
Toronto M5V 2T6
(416) 868-6937
http://www.cntower.ca

Canada's Wonderland
9580 Jane St, Vaughan
L6A 1S6
(905) 832-8131
http://www.canadaswonderland.com

Ontario Science Center
770 Don Mills Rd.,
Toronto M3C 1T3
(416) 696-1000
http://www.ontariosciencecenter.ca

Toronto Zoo
361A Old Finch Avenue
Scarborough M1B 5K7
(416) 392-5929
http://www.torontozoo.com

Royal Ontario Museum
100 Queens Park,
Toronto M5S 2C6
(416) 586-8000
http://www.rom.on.ca

Art Gallery Of Ontario
317 Dundas Street West
Toronto M5T 1G4
(416) 979-6648
1-877-225-4246
http://www.ago.net

Casa Loma
1 Austin Terrace,
Toronto M5R 1X8
(416) 923-1171
http://www.casaloma.org

Hockey Hall of Fame
30 Yonge St.,
Scarborough M1B 4K7
(416) 360-7765
http://www.hhof.com

Exhibition Place
Lakeshore Blvd.,
Toronto M6K 3C3
(416) 263-9600
http://www.theex.com

Dinner Cruise Information

The dinner cruise is centrally located in the heart of Toronto's Waterfront and is provided by Mariposa Cruises. They are within walking distance from Union Station, CN Tower, Convention Center & a host of downtown hotels - all Mariposa Cruises boats are docked by the beautiful Queens Quay Terminal Building at **207 Queens Quay West** at York St. This bustling area has shops and patios and with Harbourfront Center next door - this is a lovely area to visit. There are taxis available at the front of the building.

General Directions

From East
Take 401 West to Don Valley Parkway. Take Don Valley Parkway South to Gardiner Expressway. Once on Gardiner Expressway, take the Yonge/York/Bay exit. Turn left onto Yonge Street and then right onto Queen's Quay - parking lots available east of York and 200 Queens Quay - on the north side of Queens Quay.

From North
Take Highway 400 South to Highway 401 West, Highway 401 West to Highway 427 South, then Highway 427 South to Gardiner Expressway Toronto. Take the Yonge/York/Bay Exit to the Yonge ramp. Turn right at the first light and proceed to Queen's Quay - turn right - parking lots available east of York and at 200 Queens Quay.

From West
Take Highway 401 East to Highway 427 South to Gerdiner Expressway Toronto. Take the Yonge/York/Bay Exit to the Yonge ramp. Turn right at the first light and proceed to Queen's Quay where you will turn right. Parking lots available east of York and at 200 Queenes Quay.

By TTC: From Union Station, both Harbourfront Streetcars/LRT (#509 & #510) access our location - travel two stops and exit at York Street. We are docked right along the east and south walls of Queens Quay Terminal Building.