29th Canadian Conference on Artificial Intelligence
31 May – 3 June 2016 | Victoria, BC, Canada

This is an updated call for papers for the 29th Canadian Conference on Artificial Intelligence (**conferences.lakeheadu.ca/ai2016**), held from May 31st to June 3rd 2016 in Victoria, BC, on the west coast of Canada. The event is collocated with the Canadian Graphics Interface and the Computer and Robot Vision conferences. We welcome novel papers on all aspects of AI, either theoretical or applied. The proceedings will be published in Springer's Lecture Notes in Artificial Intelligence series, and selected papers will be invited to a special issue of Computational Intelligence. All submissions will go through a double-blind review process. Submitted papers must be formatted using the Springer LNCS style and not exceed 12 pages for long papers or 6 pages for short papers.

Canada has a very active research community in many aspects of artificial intelligence, as well as a large number of companies where AI plays a central role. This conference is an opportunity for researchers from academia and industry, both from within Canada and from around the world, to come together to share ideas and foster relationships. The conference will be held in the historic and beautiful city of Victoria, also known as the Garden City. Come for the interesting papers and stimulating conversations set in some of Canada's most beautiful gardens, parks, and historic buildings!

Topics of interests include, but are not limited to:

Affective Computing	Evolutionary Computing	Robotics
Agent Systems	Games	Semantic Web
Applications of AI	Human-Machine Interactions	Social Impact and Ethics of AI
Automated Reasoning	Information Retrieval	Social Media Mining
Cognitive Models	Knowledge Representation	Soft Computing
Constraint Satisfaction	Machine Learning	Stochastic Optimization
Data Mining	Multi-Media Mining	Uncertainty
Distributed AI Systems	Natural Language Processing	Intelligent Web Applications
Educational Systems	Neural Networks	

Invited speakers and tutorials:

B. John Oommen (Carleton University) *Sequence-based Estimation of Multinomial Random Variables*
Froduald Kabanza (Université de Sherbrooke) *Advances in Planning AI at PLANIART*
Michael Bowling (University of Alberta) *Von Newmann's Dream*
Atefeh Farzindar (NLP Technologies Inc., Université de Montréal), and Diana Inkpen (University of Ottawa) *Natural Language Processing for Social Media*
Nathalie Japkowicz (University of Ottawa) *Big Data Analysis*
Ted Kirkpatrick (Simon Fraser University), and Oliver Schulte (Simon Fraser University) *Learning Bayesian Networks for Complex Relational Data*

Important dates:
Paper submission deadline: ~~22 January 2016~~ **29 January 2016**
Author notification: 22 February 2016
Final papers due: 1 March 2016
Conference: 31 May – 3 June 2016

Program chairs:
Chris Drummond
National Research Council Canada
Richard Khoury
Lakehead University