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Malek Mouhoub · Philippe Langlais (Eds.)

Advances in Artificial Intelligence

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Preface

It is with great pleasure and excitement that we present the proceedings of the 30th Canadian Conference on Artificial Intelligence (AI 2017). The conference took place for the first time in Edmonton, Alberta, during May 16–19, 2017. As done in the past, this forum was collocated with the 43rd Graphics Interface (GI 2017) and the 14th Computer and Robot Vision (CRV 2017) conferences.

AI 2017 received 62 submissions from Canada and the following countries: Brazil, China, France, India, Iran, Mexico, Moldova, New Zealand, Nigeria, South Africa, Taiwan, Turkey, USA, and UK. Each submission was carefully reviewed by three members of the Program Committee. For the final conference program and for inclusion in these proceedings, 19 regular papers, with allocation of 12 pages each, were selected. Additionally, 24 short papers, with allocation of six pages each, were accepted. Finally, six papers accepted and presented at the Graduate Student Symposium, are also included in these proceedings. These six papers were selected from nine submissions through a reviewing process conducted by a separate Program Committee.

The conference program was enriched by three keynote presentations, several tutorials, and an industry session. The keynote speakers were Hugo Larochelle, Université de Sherbrooke, Adnan Darwiche, University of California Los Angeles, and Robert Holte, University of Alberta. We would like to thank the Program Committee members and the external reviewers of the conference and the Graduate Student Symposium, for their time and effort in providing valuable reviews in a timely manner. We thank all the authors for submitting their contributions and the authors of accepted papers for preparing the final version of their papers and presenting their work at the conference. We thank Daniel Silver, Colin Berlinger, and Shiven Sharma for organizing the Graduate Student Symposium, and chairing the related Program Committee.

The Canadian Conference on Artificial Intelligence is sponsored by the Canadian Artificial Intelligence Association (CAIAC). In this regard, we would like to thank the CAIAC Executive Committee members for their advice and guidance based on their past experience with the conference organization. We would like to express our sincere gratitude to Pierre Boulanger and Nilanjan Ray, the AI/GI/CRV general chairs, to Grzegorz Kondrak, the AI local arrangements chair, and to Fatiha Sadat, the publicity chair, for their help with the organization of the conference. Finally, we are in debt to Andrei Voronkov and the rest of the development team of the EasyChair Conference System. This system made the process of paper submission and evaluation, as well as the preparation of the proceedings, easy and saved us a significant amount of time.

March 2017

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Contents

Data Mining and Machine Learning

On Generalized Bellman Equations and Temporal-Difference Learning	3
<i>Huizhen Yu, Ashique Rupam Mahmood, and Richard S. Sutton</i>	
Person Identification Using Discriminative Visual Aesthetic	15
<i>Samiul Azam and Marina Gavrilova</i>	
A Global Search Approach for Inducing Oblique Decision Trees Using Differential Evolution.	27
<i>Rafael Rivera-Lopez and Juana Canul-Reich</i>	
Improving Active Learning for One-Class Classification Using Dimensionality Reduction	39
<i>Mohsen Ghazel and Nathalie Japkowicz</i>	
Local and Global Influence on Twitter.	45
<i>Shan Zong, Richard Khoury, and Rachid Benlamri</i>	
The Impact of Toxic Language on the Health of Reddit Communities	51
<i>Shruthi Mohan, Apala Guha, Michael Harris, Fred Popowich, Ashley Schuster, and Chris Priebe</i>	
Somatic Copy Number Alteration-Based Prediction of Molecular Subtypes of Breast Cancer Using Deep Learning Model	57
<i>Md. Mohaiminul Islam, Rasif Ajwad, Chen Chi, Michael Domaratzki, Yang Wang, and Pingzhao Hu</i>	
An Improved Data Sanitization Algorithm for Privacy Preserving Medical Data Publishing	64
<i>A.N.K. Zaman, Charlie Obimbo, and Rozita A. Dara</i>	
Reflexive Regular Equivalence for Bipartite Data	71
<i>Aaron Gerow, Mingyang Zhou, Stan Matwin, and Feng Shi</i>	
Investigating Citation Linkage with Machine Learning.	78
<i>Hospice Hounbo and Robert E. Mercer</i>	
Classification of Imbalanced Auction Fraud Data	84
<i>Swati Ganguly and Samira Sadaoui</i>	

Multi-label Learning Through Minimum Spanning Tree-Based Subset Selection and Feature Extraction	90
<i>Payel Sadhukhan and C.A. Murthy</i>	
Comparative Study of Dimensionality Reduction Methods Using Reliable Features for Multiple Datasets Obtained by rs-fMRI in ADHD Prediction . . .	97
<i>Rodolfo Garcia, Emerson Cabrera Paraiso, and Julio Cesar Nievola</i>	
Time-Dependent Smart Data Pricing Based on Machine Learning	103
<i>Yi-Chia Tsai, Yu-Da Cheng, Cheng-Wei Wu, Yueh-Ting Lai, Wan-Hsun Hu, Jeu-Yih Jeng, and Yu-Chee Tseng</i>	
Time Prediction of the Next Refueling Event: A Case Study	109
<i>S. Mohammad Mirbagheri and Howard J. Hamilton</i>	
Planning and Combinatorial Optimization	
A Worst-Case Analysis of Constraint-Based Algorithms for Exact Multi-objective Combinatorial Optimization	117
<i>Jianmei Guo, Eric Blais, Krzysztof Czarnecki, and Peter van Beek</i>	
Metaheuristics for Score-and-Search Bayesian Network Structure Learning.	129
<i>Colin Lee and Peter van Beek</i>	
SmartHome Energy Saving Using a Multi-objective Approach Based on Appliances Usage Profiles	142
<i>Henrique F. Lacerda, Allan R.S. Feitosa, Abel G. Silva-Filho, Wellington P. Santos, and Filipe R. Cordeiro</i>	
Sequence-Based Bidirectional Merge Map-Matching Algorithm for Simplified Road Network	148
<i>Ge Cui, Chunlin Ma, and Xin Wang</i>	
On the Role of Possibility in Action Execution and Knowledge in the Situation Calculus	155
<i>Vahid Vaezian and James P. Delgrande</i>	
Combinatorial Reverse Electricity Auctions	162
<i>Shubhashis Kumar Shil and Samira Sadaoui</i>	
Policy Conflict Resolution in IoT via Planning	169
<i>Emre Göynügür, Sara Bernardini, Geeth de Mel, Kartik Talamadupula, and Murat Şensoy</i>	

AI Applications

Learning Physical Properties of Objects Using Gaussian Mixture Models. . . .	179
<i>Kaveh Hassani and Won-Sook Lee</i>	
Design and Implementation of a Smart Quotation System	191
<i>Akash Patel and Brigitte Jaumard</i>	
Knowledge Discovery in Graphs Through Vertex Separation	203
<i>Marc Sarfati, Marc Queudot, Catherine Mancel, and Marie-Jean Meurs</i>	
A Knowledge Acquisition System for Price Change Rules	215
<i>Moslema Jahan and Howard J. Hamilton</i>	
Automatic Household Identification for Historical Census Data.	227
<i>Luiza Antonie, Gary Grewal, Kris Inwood, and Shada Zarti</i>	

Natural Language Processing

Matrix Models with Feature Enrichment for Relation Extraction	235
<i>Duc-Thuan Vo and Ebrahim Bagheri</i>	
Domain Adaptation for Detecting Mild Cognitive Impairment.	248
<i>Vaden Masrani, Gabriel Murray, Thalia Shoshana Field, and Giuseppe Carenini</i>	
Speech Intention Classification with Multimodal Deep Learning	260
<i>Yue Gu, Xinyu Li, Shuhong Chen, Jianyu Zhang, and Ivan Marsic</i>	
Layerwise Interweaving Convolutional LSTM	272
<i>Tiehang Duan and Sargur N. Srihari</i>	
Using Cognitive Computing to Get Insights on Personality Traits from Twitter Messages	278
<i>Romualdo Alves Pereira Junior and Diana Inkpen</i>	
Confused and Thankful: Multi-label Sentiment Classification of Health Forums	284
<i>Victoria Bobicev and Marina Sokolova</i>	

Uncertainty and Preference Reasoning

Probabilistic TCP-net.	293
<i>Sultan Ahmed and Malek Mouhoub</i>	
Resolving Inconsistencies of Scope Interpretations in Sum-Product Networks	305
<i>Jhonatan S. Oliveira, Cory J. Butz, and André E. dos Santos</i>	

A Sparse Probabilistic Model of User Preference Data	316
<i>Matthew Smith, Laurent Charlin, and Joelle Pineau</i>	
On Converting Sum-Product Networks into Bayesian Networks	329
<i>André E. dos Santos, Cory J. Butz, and Jhonatan S. Oliveira</i>	
Fuzzy Rough Set-Based Unstructured Text Categorization	335
<i>Aditya Bharadwaj and Sheela Ramanna</i>	
Bayesian Networks to Model <i>Pseudomonas aeruginosa</i> Survival Mechanism and Identify Low Nutrient Response Genes in Water	341
<i>Bertrand Sodjahn, Vivekanandan Suresh Kumar, Shawn Lewenza, and Shauna Reckseidler-Zenteno</i>	
Agent Systems	
Quantified Coalition Logic of Knowledge, Belief and Certainty	351
<i>Qingliang Chen, Xiaowei Huang, Kaile Su, and Abdul Sattar</i>	
Modelling Personality-Based Individual Differences in the Use of Emotion Regulation Strategies	361
<i>Juan Martínez-Miranda and Matías Alvarado</i>	
Stoic Ethics for Artificial Agents.	373
<i>Gabriel Murray</i>	
Active Team Management Strategies for Multi-robot Teams in Dangerous Environments	385
<i>Geoff Nagy and John Anderson</i>	
Graduate Student Symposium	
Diverse Action Costs in Heuristic Search and Planning	399
<i>Gaojian Fan</i>	
Collaborative Filtering with Users' Qualitative and Conditional Preferences . . .	403
<i>Sultan Ahmed</i>	
Deep Multi-cultural Graph Representation Learning.	407
<i>Sima Sharifirad and Stan Matwin</i>	
Who Is the Artificial Author?	411
<i>Tom Lebrun</i>	
Machine Learning Techniques to Unveil and Understand <i>Pseudomonas aeruginosa</i> Survival Mechanism in Nutrient Depleted Water	416
<i>Bertrand Sodjahn</i>	

Identification and Classification of Alcohol-Related Violence
in Nova Scotia Using Machine Learning Paradigms 421
Fateha Khanam Bappee

Author Index 427