Predictive analytics is concerned with the prediction of future trends and outcomes. The approaches used to conduct predictive analytics can be classified into machine learning techniques and regression techniques. Machine learning techniques have become increasingly popular in conducting predictive analytics due to their outstanding performance in handling large scale datasets with uniform characteristics and noisy data. Innovative predictive models have been applied successfully in several domains such as health care, cyber security, education, credit card fraud detection, social media, cloud computing, software measurement, quality and defect prediction, cost and effort estimation and software reuse.

The aim of this special issue is to invite authors of selected papers in the 2014 Workshop on Machine Learning for Predictive Models (http://www.icmla-conference.org/icmla14/w03.pdf) to extend their work and submit to this special issue. Moreover, this special issue is open for external authors to submit their original work in this area. It is envisioned to obtain a good perspective into the current state of practice of Machine Learning techniques to address various predictive problems. Topics relevant to this special issue include, but are not limited to:

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Please forward your inquiries to Dr. Ali Bou Nassif (abounas@uwo.ca).
Important Dates
Submission deadline: February 28, 2015
Author notification: May 30, 2015
Submission deadline for revisions: July 30, 2015
Author notification (final): September 15, 2015

Submission Guidelines
• Submissions should be prepared according to the authors instructions available at:
  http://www.springer.com/computer/ai/journal/521
• All manuscripts should be submitted through the online manuscript submission system of Neural
  Computing and Application at: http://www.editorialmanager.com/nca/
• Manuscripts based on previously published conference papers must contain at least 30% substantive new
  material

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