Qatar Computing Research Institute and Boeing to host research symposium

Deadline to submit research abstracts for the Machine Learning and Data Analytics Symposium has been extended

Doha, Qatar, 26 January 2014:

Building upon their ongoing partnership, Qatar Computing Research Institute (QCRI) and Boeing [NYSE:BA] will co-organise the Machine Learning and Data Analytics Symposium (MLDAS) on March 3 and 4, 2014 in Doha, Qatar. This symposium will focus on the various applications, recent advances and new solutions in the fields of machine learning and data analytics. MLDAS will also feature a series of discussions and case studies by industry leaders from around the world. The deadline for submitting research abstracts has been extended to January 31, 2014.

Data analytics is a science that focuses on extracting meaningful and actionable information from large volumes of data, with the goal of enabling optimal decision making, improving business performance and provoking new questions. A growing number of challenges exist as data generation has become more abundant and has taken on new forms, structured and unstructured, static and streaming. Machine learning is an expanding research domain where algorithms are developed to learn from data, thus helping to process massive amounts of data through applying predictive techniques.

"Co-organising this symposium with Boeing brings our relationship to a new level," said Dr Ahmed K. Elmagarmid, Executive Director of QCRI. "To date, our joint work in data analytics research has been focused on addressing specific problems, but this event will provide an open venue to a wider research audience for the exchange of ideas in an area of science that is growing in importance to science and industry alike."

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Boeing and QCRI signed an agreement in early 2013 to jointly investigate ways to better recognise patterns, correlations and anomalies in massive amounts of data through machine learning algorithms and data analytics techniques applicable to aircraft maintenance data. This agreement will result in the development of statistical and analytical methods for learning predictors and detectors in airplane health management.
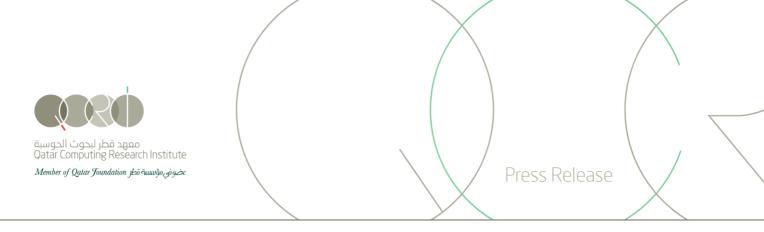
"Our collaboration with QCRI broadens and deepens Boeing's engagement in Qatar, where we already have strong customer and stakeholder relationships," said Jeff Johnson, President of Boeing Middle East. "Scientists, technology leaders and students from across the globe will gather in Doha to share ideas, identify solutions, and foster partnerships."

Researchers and students are invited to submit research abstracts related to the domain, and if accepted, will be asked to present their research at the symposium. Submission guidelines and other details about the symposium can be found by visiting www.mldas.org.

Dr Mohammed J. Zaki, the Principal Scientist, QCRI and symposium co-chair emphasised the importance of the event: "This symposium features world renowned experts in machine learning and data mining. It serves as a launching pad for the data mining, machine learning, and data analytics initiative at QCRI. Partnering with Boeing reflects our two primary goals of cutting-edge science for big data analytics and real-world applications."

A principal constituent of Qatar Foundation Research and Development, QCRI is one of three national research institutes established by Qatar Foundation for Education, Science and Community Development, focused on tackling large-scale computing challenges that address national priorities for growth and development.

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Headquartered in Chicago, Illinois, U.S.A., Boeing is the world's leading manufacturer of commercial jetliners and defence, space and security systems. Boeing Research & Technology collaborates with customers, suppliers, universities and R&D agencies throughout the world to provide a broad base of innovative and affordable technologies for Boeing's business units.

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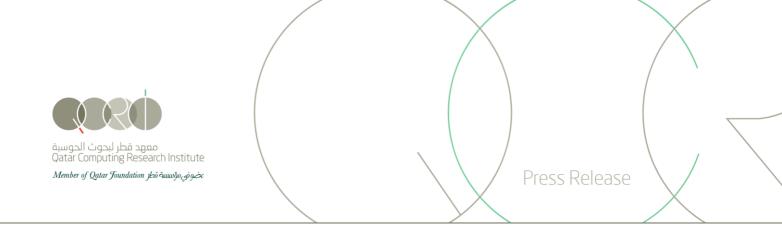Email: Fakher.a.daghestani@boeing.com

About QCRI
Qatar Computing Research Institute (QCRI) is a national research institute established by Qatar Foundation for Education, Science and Community Development, a private, non-profit organization that is supporting Qatar's transformation from a hydrocarbon-based economy to knowledge-based economy.

As a principal constituent of Qatar Foundation Research and Development, QCRI supports Qatar Foundation's mission to build Qatar's innovation and technology capacity by focusing on large-scale computing challenges that address national priorities for growth and development.

In doing this, QCRI conducts world-class multidisciplinary computing research that is relevant to the needs of Qatar, the wider Arab region, and the world. It performs cutting-edge research in such areas as Arabic language technologies, social computing, data analytics, and cloud computing.

The research conducted at QCRI is aligned with the Qatar National Research Strategy and supports the strategic priorities outlined in the Qatar National Vision 2030. For more information, please visit www.qcri.qa.

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