Model-Driven Requirements Engineering (MoDRE) Workshop

Ottawa, Canada / August 24, 2015

http://www.modre2015.ece.mcgill.ca/

co-located with

23rd IEEE International Requirements Engineering Conference (RE'15)

Call for Papers

Model-Driven Development (MDD) is a paradigm for software development where models are no longer simple mediums for describing software systems or only facilitating inter-team communication. In MDD, models become *first-class citizens*, and a software system is obtained through the definition of different models at different abstraction layers. Models of a certain abstraction layer are derived from models of the upper abstraction layer by means of automatic model transformations, providing faster and more reliable results.

The ***Fifth International Model-Driven Requirements Engineering (MoDRE) workshop*** continues to provide a forum to discuss the challenges of Model-Driven Development (MDD) for Requirements Engineering (RE). Building on the success of MDD for design and implementation, RE may benefit from MDD techniques when properly balancing flexibility for capturing varied user needs with formal rigidity required for model transformations as well as high-level abstraction with information richness. MoDRE seeks to explore those areas of RE that have not yet been formalized sufficiently to be incorporated into a model-driven development environment. Reuse of requirements models and management of requirements at runtime become distinct possibilities with MDD and model transformations. This workshop intends to identify new challenges, discuss on-going work and potential solutions, analyze the strengths and weaknesses of MDD approaches for RE, foster stimulating discussions on the topic, and provide opportunities to apply MDD approaches for RE.

Topics of Interest

Submissions are welcome in all workshop topics including (but not limited to) the following: ***modelling languages*** and ***metamodels*** for RE approaches, requirements ***reuse***, ***synchronicity*** and ***consistency*** of requirements models, requirements models ***at runtime***, ***automatic analysis*** of requirements models, ***automatic generation of tools*** for RE, ***model transformations*** for RE, ***evaluation*** of MoDRE, ***simulation*** of requirements models, and MoDRE ***in industry.***

Submission and Publication

Participants are invited to submit original research papers with a length of ***eight (8) to ten (10) pages*** or original position papers with a length of ***four (4) to five (5) pages***. Previously published papers or papers accepted or under review for other events are ineligible for submission to MoDRE 2015. Papers must be in pdf format, written in English, formatted according to the IEEE formatting instructions detailed on the workshop website.

At least three members of the program committee will evaluate the technical contribution of each submission as well as its accessibility to the audience. Papers will be judged on quality, significance, relevance, originality, substance, correctness, and clarity.

Accepted papers will become part of the workshop proceedings and will be submitted for inclusion into the *IEEE Digital Library*. Workshop presentations will be posted on the MoDRE website. Acceptance of a paper implies that one of the authors registers for the workshop to present the submission; failure to do so by the early registration deadline will result in the paper being withdrawn from the workshop proceedings. IEEE reserves the right to exclude a paper from distribution after the workshop (e.g., by not placing it into the IEEE Digital Library) if the paper is not presented at the workshop.

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IMPORTANT DATES in 2015

JUNE 2 — **ABSTRACT SUBMISSION**

JUNE 9 — **PAPER SUBMISSION**

JUNE 30 — **ACCEPTANCE NOTIFICATION**

JULY 15 — **CAMERA-READY VERSION**