

NSERC CREATE ULSS Distinguished Seminar

The Changing Face of Model-Driven Engineering

Classical Model-Driven Engineering (about which much has been written and wrought) involves automated analysis and manipulation of precisely defined and precisely implemented models, often - but not always - leading to the generation of executable code. But is classical (academic?) MDE widely practiced? Are its "classical" tools, for transformation and validation of models, widely used,

with healthy ecosystems? I present two fragments of ongoing work: (1) an analysis of MDE toolsets, to try to ascertain how "healthy" (active) they are - which might give an indication of how "healthy" classical MDE is; and (2) a non-classical version of MDE where models are not initially formal entities, but are gradually made more precise over time, through application of classification algorithms.

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10:30 - 11:30 am

Dupuis Hall 215

Light Refreshments

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Richard Paige is (full) Professor of Enterprise Systems and Deputy Head of Department (Research) in Computer Science, at the University of York, UK. He received his PhD from the University of Toronto in 1997. He is interested, most broadly, in automated software engineering - particularly, automating those error prone, tedious and repeatable system and software engineering tasks. He specialises in modelling, model management, transformation, agile

software development, safety critical systems and formal methods. He dabbles in game development, computer security, cloud computing and air traffic control. He is on the editorial boards of Software and System Modelling, Empirical Software Engineering and the Journal of Object Technology. He has chaired far too many workshops and conferences, and enjoys receiving recommendations for really bad movies.