

Model-Based Systems Engineering: an overview of SysML

The systems engineering industry is slowly moving from a document-centric approach towards a model-centric one. The leading modeling language in that context is SysML, lead by the Object Management Group (OMG) and now taught at several levels of the engineering curricula in France. This talk will provide an overview of this language and its principles.

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10:00 - 11:00 am

Walter Light Hall 302

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Jean-Michel Bruel received his Ph.D. from the University Paul Sabatier (Toulouse) in December 1996. From September 1997 to August 2008, he was Associate Professor at the University of Pau. Currently he is head of the MACAO team (Models, Architectures, Components, Agility and prOcesses) of the IRIT (Institut de Recherche en Informatique de Toulouse) CNRS laboratory. His research areas include methods integration, use

of formal methods in the Component-Based Software Engineering context, and CyberPhysical Systems modeling.

He defended his Habilitation à Diriger des Recherches" in December 2006 and obtained in 2008 a full professor position at the University of Toulouse. He was head of the Computer Science department of the Technical Institute of Blagnac from 2009 to 2012. Blagnac from 2009 to 2012.