

Digital engineering in Japan: Sharing of purpose, concepts, architecture, and processes through models.

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Abstract:

Enterprises and their engineers are required to conceptualize, develop, manufacture, maintain, and dispose of systems that flexibly respond to the various issues in industries that are involved in complex environments. While digital transformation is required, the significance of people understanding things and making decisions through models is increasing. The focus of my talk will be on the importance of improving people's capabilities of intelligence rooted in domain knowledge in Japan.

Speaker Bio:



Hidekazu Nishimura is a Professor with Graduate School of System Design and Management, Keio University, and leading JCOSE (INCOSE Japan Chapter) as a representative. He received the Ph.D. degree in mechanical engineering from Keio University, Japan in 1990. He was an Associate Professor with Chiba University from 1995 to 2007, a Visiting Researcher with Delft University of Technology in 2006, and a Visiting Associate Professor with the University of Virginia in 2007 to research motion and vibration control systems design. He is currently interested in applying model-based systems engineering approaches for various highly complex systems as well as an automated driving system. To expand the practical knowledge of systems engineering and systems modeling to various industries in Japan, he translated Systems Engineering Handbook v4 in 2019 and A Practical Guide in 2012 to SysML into Japanese.