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Chinh Q. Nguyen, lecturer in Inorganic Chemistry, and director of Academic Affairs Department at VNU-HCM. He received his MSc in Science Education from Simon Fraser University Canada, and PhD in Chemistry from The University of Manchester, United Kingdom. He is in charge of academic affairs at VNU-HCM. His current research focuses on nano-scale inorganic materials, single-source precursors for opto electronic materials, and curriculum development in higher education.

## Trinh T. M. Doan

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Trinh T. M. Doan is received her B.E. (1983) and PhD (1987) in Manufacturing Automation from The Slovak University of Technology, Bratislava, The Czechoslovak Federation. She is the initiator in adoption and adaptation of CDIO at VNU-HCM, the co-translator of the CDIO Book "Rethinking Engineering Education: The CDIO Approach" by E.F. Crawley, J. Malmqvist, S. Östlund, D. Brodeur (Springer, 2007), and serves as VNU-HCM's representative at Worldwide CDIO Initiative. She is in charge of project development and implementation for curriculum reform, including the CDIO Implementation Project at VNU-HCM. Her current research focuses on geometric modelling for CAM/CAM and CNC programming, curriculum development in higher education.

## *CDIO Implementation at VNU-HCM: From Pilot to Widespread Implementation*

The CDIO Initiative provides an integrated approach including CDIO Syllabus and CDIO Standards to identify the learning needs of students in program, and to construct a sequence of learning experiences to meet those needs. Vietnam National University – Ho Chi Minh City (VNU-HCM) adopted and adapted CDIO approach to build a model framework to help accelerate nation's efforts in curriculum reform through widespread implementation of CDIO in Vietnam. It became the collaborator of the CDIO Initiative in 2010 and since joining has implemented a number of significant changes that have been directed by the CDIO methodology. In this presentation, we introduce the model framework for widespread CDIO implementation, its implementation, and the results that we have achieved since 2010 with a focus on transition from pilot to widespread implementation. These include the results of the first four years of CDIO pilot implementation at our strategic university departments; the common frameworks generalized from the pilot implementation that can be exported and replicated at member universities within VNU-HCM and at other higher education institutions in Vietnam; and the widespread implementation of CDIO at VNU-HCM and other HEIs in Vietnam.