

Control and Optimization for Smart Grid

Nguyen Dinh Hoa, PhD

Assistant Professor

I2CNER and Institute of Mathematics for Industry (IMI), Kyushu University

Abstract: This talk presents some of the speaker's recent research and activities on control and optimization for the next-generation electric power grids or the so-called smart grids. In the first half of the talk, the experience on the living and research environments during a sabbatical at University of Illinois at Urbana-Champaign is introduced. Consequently, in the second half of the talk, a brief description of a research result obtained during the above visit is presented and shown how it would be used for grid optimization problems.