

CAMT Seminar

“Prosumer Coalitions With Energy Management Using Cooperative Game Theory”

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Date: March 28th, 2022 (Mon) 11:00-12:00

Location: Main Conference Room (1st floor), Bldg. A12

Center for Atomic and Molecular Technologies (CAMT)

& Online (for the link, please contact the host)

(A12 棟 1 階会議室)

Abstract

Integration of distributed renewable generation technologies is an important issue in power networks. Distributed energy storage (ES) systems, although seen as a tool to mitigate the stress on local networks, tend to be operated only to minimize the energy cost of their direct owner. In this talk, cooperative game theory together with Artificial Intelligence tools is used to construct an energy grand coalition, in which ES system operations are optimized to minimize the coalitional energy cost.

(Host: Satoshi Hamaguchi Ext:7913)