

International Conference on Smart Grids (icSmartGrids) 2018

December 4-6, 2018, Nagasaki Prefectural Art Museum, Nagasaki, Japan Keynote Speech,
Naoto Hirakata (Abstract)

Keynote:

Smart Grids, indispensable technologies to decarbonize energy and economy

Abstract:

In order to tackle one of the most urgent and serious issues in the world, climate change, the decarbonization of economy is the key. In this challenging process, electrifying energy in every sector, for example, heating and transportation, will not only contribute to reduce carbon emission from its efficiency but help companies to improve their customers' engagement with its high operability and extendibility as well. This keynote speech first explains the business environment surrounding companies and cities in the coming decades to limit the mean temperature increase to less than 2-degrees Celsius, as agreed at COP21. It also covers the main energy source of the future, renewables, and trends for their installation, followed by the developing technologies to improve energy and economic efficiency of electricity uses. Finally, the emerging tasks, possible approaches and future prospects of Smart Grid technologies from energy generators' and consumers' perspectives will be discussed.

Date of presentation: December 4th, 2018

Duration of presentation: 40 minutes