

Convergence of Enabling Technologies for Smart grid

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Smart grid is an emerging area of engineering that integrates the actions of all the stakeholders that are generators, consumers, and distributors by integration of electricity, communication, and information infrastructures to ensure an efficient, clean, sustainable, secure, and reliable electric energy supply. A number of technologies enable to achieve the goals and the required performance of the smart grid. A few of these technologies are Power Electronics, Information and Communications Technologies, Advanced Metering Infrastructure, Energy management, Demand Response management, Storage technologies, and several more. This presentation discusses the function of few of these technologies and how these various technologies are combined together with the electricity system to achieve the objectives of a smart grid.



The poster is for the 2021 IEEE International Power and Renewable Energy Conference (IPRECON). It features a portrait of Dr. Kaushik Rajashekara, a Distinguished Professor of Engineering at the University of Houston. The event is a keynote session on the convergence of enabling technologies for smart grids, held on September 24th, 2021, from 7:00 PM to 8:00 PM IST. Registration is available at <https://iprecon.org/registration>. The poster is organized by the College of Engineering at Karunagappally and lists several partner organizations: CEK, PELS (IEEE Power Electronics Society), PES (IEEE Power Energy Society), IAS (IEEE Industry Applications Society), and IEEE.

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2021 IEEE International Power and Renewable Energy Conference (IPRECON)

KEYNOTE SESSION

Convergence of Enabling Technologies for Smart Grid

Date : 24th September 2021 | Time : 07:00-08:00 PM (IST)

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