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Energy generation, storage and conversion

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The purpose of this session is to provide a forum for information on analyses, innovation, optimization, research and development of energy generation, storage, conversion systems and energy savings. This session also addresses design and management issues to achieve high efficiency in energy generation and conversion. This session will provide an opportunity not only to share experiences and solutions by researchers and engineers worldwide but also to envisage the future we will have in the energy industry. The topics considered in this session involve theoretical, experimental and computational efforts including, but not limited to:

- Design and analysis of energy generation, conversion, and storage systems
- Optimization of energy conversion and storage systems
- Energy transport and conversion at micro and nanoscale
- Nuclear energy: Nuclear power plants, materials, structures
- Environmental issues related to energy generation
- Renewable energy: Solar and wind energy, alternative fuels
- Fuel Cells and Batteries

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