



# Call for Papers



## Special Session on: “Renewable Sources of Energy”

*Session Organiser:*

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The area of **renewable sources of energy** is an interdisciplinary subject research area in mechanical, electrical, electronic, meteorology, control theory and power industry. Renewable energy can continue to regenerate in nature, with good prospects for development because the advantage of inexhaustible. However, renewable energy industry is still in its infancy, and it has not to be a major source of the world's energy, the real challenge is to improve the utilization and reduce the cost of renewable energy. This session will focus on the continuous progress and practical applications in renewable sources of energy, such as theoretical analysis, computer simulation, reserve estimates, policy research, etc.

### **Session Topics include but are not limited to:**

- Applications of wind power, hydropower, solar energy, wave energy, biofuel etc.
- Theories and methodologies of renewable energy systems
- Research on grid-connected inverters
- Battery energy storage system
- Flywheel energy storage system
- Generator design and optimization techniques
- Modelling and control of energy conversion systems
- Research on energy conversion system efficiency and optimization
- Research on energy-saving technology
- Reliability and fault diagnosis technology for renewable energy systems
- Research on power optimization and scheduling
- Policy on renewable energy
- Renewable energy reserves estimate

The Conference Link: <http://www.tuat.ac.jp/~deng/icamechs2015/icamechs2015.html>