

# S12 – Wind Energy

Organizers: Akihiro Honda & Takao Maeda

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The **Wind Energy** session will cover energy conversion, energy storage, and usage methods for large and small windmills. We expect research results from design, experiments, simulations, and actual measurements for use in electric power and mechanical energy. It includes research on loads to ensure safety as well as efficiency. In addition, papers on wind characteristics, topics related to wind power generation in each country, and introductions of representative projects are also welcomed.

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## Non-exhaustive list of suggested topics

- Large and small wind turbines
  - Electric and mechanical power
  - Efficiency and safety
  - Design
  - Experiments
  - Simulations
  - Field observations
  - Wind characteristics
  - Representative projects
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## Organizers



**Akihiro Honda** is working as a Director and Professor at Institute of Regional Innovation of HIROSAKI University, Aomori, Japan. He received his B.S., M.S. degree and Dr. Eng. from KYOTO University, Japan. He is interested in aerodynamics of wind turbines using CFD, experimental tests and field observations.

**Takao Maeda** is working as a Professor at Mechanical Engineering Division of MIE University, Mie, Japan. He received his B.S., M.S. degrees and Dr. Eng. from NAGOYA University, Japan. He is interested in aerodynamics of wind turbines using wind tunnel and field experiments.



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