

*Chairman, Board of Trustees*  
*President, Professor,*  
*Graduate-School of Engineering*  
*Division of Renewable Energy and Environment*

### Major Fields of Study

Energy Conversion Engineering (especially focused on wind energy and other renewable energies), History of Mechanical Engineering, Research&Development on Appropriate Technology for Developing Countries.

### Keywords

Wind Power Generation, Photovoltaic Generation, Biomass Generation, Renewable Energy, Energy Strategy, Environmental Issues, History of Technology, Discourse on Engineering Culture, Development of Appropriate Technology for Developing Countries, Technological Aid for Developing Countries.

### Education and Degrees

Ph.D., Engineering, Sophia University (1974).

M.S., Engineering (Mechanical Engineering), Sophia University(1968).

B.S., Engineering (Mechanical Engineering), Sophia University(1966).

### Professional Affiliations

1985 to 2003; Professor, Mechanical Engg Dept., Ashikaga Inst. of Technology.

2003 to present; Professor, Graduate school of Engineering, Ashikaga I.of T.

2006 to 2008; Vice-President, Ashikaga Institute of Technology.

2008 to present; President, Ashikaga Institute of Technology.

### Awards

- Distinguished Service Award of Japan Solar Energy Network (2011).
- Distinguished Service Award of World Renewable Energy Association (2010).
- Publishing Award of Japan Association for Wind Engineering (2008).
- Award from Ministry of Education and Science (2003).
- Pioneer Award of World Renewable Energy Network (1998).

### *SELECTED PUBLICATIONS*

#### *Books*

- Energy Engineering (2010).
- The easiest Book on Wind Power (2010).
- The Story of Wind and Windmills (2009).
- How to Economically Introduce Energy-Saving and New Energy Systems (2009).
- Vertical-Axis Wind Turbines (2008).
- The Basics of Wind Energy (2005).
- Introduction to Wind Power Technology(2002).
- Energy Technology and Modern Society(1999).
- Water Hammer Manufacturing Guide(1998).
- Energy Technology and Environment(1996).
- Wind Turbine Manufacturing Guide(1996).
- Introduction to Wind Energy (1991).

#### *Journal Articles*

- Modelling Passive Yawing Motion of Horizontal-axis Small Wind Turbine: Derivation of New Simplified Equation for Maximum Yaw Rate, Wind Engineering, Vol.36, No.4, pp.433-442
- Yaw Behavior of Horizontal-Axis Small Wind Turbines in an Urban Area, Wind Engineering, pp.19-30(2009).
- Historical Evaluation of the Yamada-Type Wind Turbine, Wind Engineering, pp.31-40(2009).
- The Porsche Wind Powered Generator, Wind Engineering, Vol.32, No.2, pp.197-203(2008).
- Experimental Study of a Vertical-Axis Sail wing Water Pumping System, Wind Engineering, Vol.30, No.4, pp.351-356 (2006).

#### *Presentations*

- Wind Power Development in Japan, International Symposium; Revision 2012, Tokyo International Exchange Center (March 9, 2012)
- Development of Renewable Energy for Sustainable Development in Asian Countries, Japan-China new Century Association, Tokai Univ Hall (July 2, 2012)
- Renewable Education and public Enlightenment through Operation of "Wind and Sun Square", Renewable Energy 2010, Yokohama, (June 2, 2010)
- A Development of High Performance Horizontal-axis Small Wind Turbine, Renewable Energy 2010, Yokohama, (June 2, 2010)
- Future Society depending on Renewable Energy~Application of Renewable Energy in Japan~, Pan-Pacific International Forum on Renewable Energy (May 1, 2009)

#### *Social Contributions*

- Chairman of Green Power Certification Council (2010).
- Chairman of Offshore Wind Power Committee of New Energy and Industrial Technology Development Organization (2009 to present).
- Chairman of The Next Generation Wind Power Committee of New Energy and Industrial Technology Development Organization (2008 to present).
- Fellow member of Japan Society of Mechanical Engineers (2002 to present).
- Chairman of Wind Energy Foundation (1996 to present).
- Chairman of Planning Committee of New Energy Foundation (1996 to present).