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Wind Engineering**



## Yoshihide Tominaga

### BIO

Yoshihide Tominaga was born in Uonuma, Niigata Prefecture, Japan, in 1967. He received his B.E. degree in architecture from Niigata University, Japan, in 1990 and his M.E. and Ph.D. degrees in architecture from the Graduate School of Engineering at the University of Tokyo, Japan in 1992 and 1995, respectively.

In 1995, he joined the Department of Architecture and Building Engineering at the Niigata Institute of Technology as a research associate. He became an associate professor in 1999 and a professor in 2003. He has also served as the director of the Wind and Fluid Engineering Research Center, Niigata Institute of Technology, since 2018. He became a visiting researcher at Concordia University, Montreal, Canada, in 2006 and 2011 to collaborate with Prof. Dr. Ted Stathopoulos.

He has served as the associate editor for the Journal of Wind Engineering and Industrial Aerodynamics since 2021. He is a member of the Board of Directors of the Japan Association for Wind Engineering, the chair of the Steering Committee on Air Quality and Wind Envi

ronment at the Architectural Institute of Japan (AIJ), and a member of the Board of Directors of the Japan Society of Snow Engineering. He received the Best Paper Award from the journal Building and Environment in 2010 (which he shared with Prof. Ted Stathopoulos of Concordia University; Canada), the Best Paper Award from the Japan Association for Wind Engineering in 2012 and 2014, and the AIJ Prize in 2017.

He specializes in the numerical modeling of microscale wind flow and the related processes in urban environments, such as pedestrian wind comfort, microclimates, air pollutant dispersion, cross ventilation, and snowdrift. His current research focuses on experimental and computational fluid dynamics (CFD) approaches, and he has significantly contributed towards developing sophisticated techniques for validating and evaluating CFD models and establishing the best practice guidelines for the CFD modeling of wind environments.

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