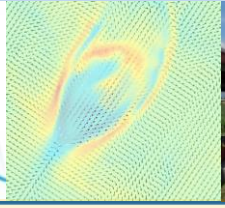
International Association for Wind Engineering

IAWE Task Group on Climate Change

IAWE Equitable Response to Wind Climate Change: Impacts, Adaptations and Mitigations


Live

Zoom Meeting ID: 787 855 4403
https://buffalo.zoom.us/j/7878554403?pwd=Y2xrQU9DWkllMzAyd3hLUVhUamMwZz09

IAWE Webinar Series

Webinar 1: Dec. 2nd @ 14:00 (UTC)

The Forgotten Part of Climate Change: Winds of Change

Speaker: Dr. Cesar Azorin Molina, Spain

Webinar 2: Dec. 10th @ 14:30 (UTC)

Future trends in severe thunderstorms and tornadoes

Speaker: Prof. Robert (Jeffrey) Trapp, USA

Webinar 3: Dec. 22nd @ 14:00 (UTC)

Effects of Climate Change on Life-Cycle Performance of Structures and Infrastructure Systems

Speaker: Prof. Fabio Biondini, Italy

Moderators:
Dr. Richard Turner (Chair of Sub-Task Group on Webinar Series)
Prof. Teng Wu (Chair of Task Group on Climate Change)

The IAWE Task Group on Climate Change is excited to host its inaugural webinar series of presentations from well-known and internationally respected climate, meteorology, and engineering experts that are informative and pitched towards an engineering audience.

Cesar Azorin-Molina is a Tenured Scientist -Científico Titular- at the Desertification Research Centre (CIDE, CSIC-UV-GVA, Valencia, Spain), where he is the PI of the Climatoc-Lab (https://climatoclab.csic.es/); an Excellence Research Group funded by the Valencian Regional Government. Dr Azorin-Molina has a long track record in the fields of Meteorology and Atmospheric Sciences. His scientific aim is to assess and attribute climate change and variability with focus on surface winds and wind extremes, their physical mechanisms and socioeconomic and environmental implications. He has published >160 peer-reviewed articles, with a h-index of 56 and >14,000 citations; and contributed with >230 oral/poster presentations to national/international conferences. He currently coordinates the State of the Climate – Surface winds section of the Bull. Am. Meterol. Soc., and has been Principal Investigator of 16 research projects with focus on winds.

Robert (Jeffrey) Trapp is Director of the School of Earth, Society & Environment, University of Illinois Urbana-Champaign, Illinois, USA. Dr. Trapp is the Director of the School of Earth, Society and Environment, and Professor of Atmospheric Sciences at the University of Illinois Urbana-Champaign. Before joining Illinois in 2014, he was a Professor in the Department of Earth and Atmospheric Sciences at Purdue University from 2003-2014, and a research scientist with the National Severe Storms Laboratory (through the Cooperative Institute for Mesoscale Meteorological Studies) in Norman, Oklahoma from 1996-2003. Four years of his tenure with NSSL were spent as a visiting scientist at the National Center for Atmospheric Research in Boulder, Colorado. Dr. Trapp conducts research on severe convective storms, including their dynamics and attendant hazards, and their connection with climate change and variability. He is also the author of the textbook “Mesoscale-Convective Processes in the Atmosphere,” published by Cambridge University Press.

Fabio Biondini, Ph.D., P.E., F.IABSE, F.SEI, F.ASCE, is Professor of Structural Engineering at Politecnico di Milano. Professor Biondini’s research interests include life-cycle risk, reliability, robustness, redundancy, and resilience of deteriorating structures and infrastructure systems, with emphasis on bridges and bridge networks. Among other positions held, Professor Biondini is co-founder, Secretary General, and Executive Board Member of the International Association for Life-Cycle Civil Engineering (IALCCE), Executive Committee Member of the International Association for Bridge Maintenance And Safety (IABMAS), and Former Chair of the SEI/ASCE Technical Council on Life-Cycle Performance, Safety, Reliability, and Risk of Structural Systems. Honors and awards include the inaugural ASCE Frangopol Medal for Life-Cycle Engineering of Civil Structures (2025). Webpage: https://biondini.faculty.polimi.it