

# **Christopher Letchford**

**Professor & Department Head, Civil and Environmental Engineering at Rensselaer Polytechnic Institute**

Troy, NY, US

Studies wind flows through, and loads upon, the built environment.

---

## **Biography**

Christopher Letchford is a global expert in wind engineering and bluff-body aerodynamics. His many research projects have included wind power siting studies, studying how wind and ocean waves interact, and investigating the long-term impacts of climate change on infrastructure, transportation, and energy production. Letchford's research interests have also focused on wind loads on structures, vortex-induced vibrations, wind climatology, and debris flight mechanics. Letchford joined Rensselaer Polytechnic Institute in 2011 as the head of the Department of Civil and Environmental Engineering. Before that he served as professor and head of the School of Engineering at the University of Tasmania, Australia; a professor, senior associate dean, and associate director of the Wind Science and Engineering Research Center at Texas Tech University; and a faculty member at the University of Queensland in Australia. Before his career in academia, Letchford was a structural engineer. He is a fellow of the American Society of Civil Engineers, a fellow of the Structural Engineering Institute, a fellow of the Institution of Engineers in Australia, past chair of the American Association for Wind Engineering and the Australasian Wind Engineering Society, a member of ASCE 7 Wind Load subcommittee and ASCE 49 Wind Tunnel Testing committee, and is a Chartered Professional Engineer.

---

## **Areas of Expertise**

Wind Climatology, Wind-Structure Interaction, Environmental Wind Flows, Bluff-Body Aerodynamics, Climate Impacts on Wind Loads

---

## **Education**

**University of Queensland**

B.E. (Hons) Civil Engineering

**University of Oxford**

DPhil Wind Engineering

---

[Please click here to view the full profile.](#)

This profile was created by [Expertfile](#).