

# **Jean-Paul Pinelli, Ph.D.**

**Professor | Mechanical and Civil Engineering at Florida Tech**

Melbourne, FL, US

Dr. Pinelli studies wind-structure interaction, hurricane field and lab experimentation, hurricane risk analysis and vulnerability models.

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## **About**

Dr. Jean-Paul Pinelli is a professor of civil engineering at Florida Tech. He graduated from the University of Buenos Aires and obtained his Master's and Ph.D. degrees in civil engineering from Georgia Tech. His original background is in seismic engineering, but after moving to Florida, he started investigating the effects of tornadoes and hurricanes on structures, and he founded and leads the Wind and Hurricane Impact Research Lab (WHIRL) at Florida Tech, where his research focuses on issues of wind and hurricane risk and mitigation. He leads the engineering team of the Florida Public Hurricane Loss Model, which predicts insurance hurricanes losses in Florida. As such, he has published in the areas of hurricane vulnerability, risk modeling and interior and contents damage estimation, among other topics. Dr. Pinelli is part of a team funded by NIST to develop a new generation of wireless instrumentation for characterizing wind pressures on structural and non-structural building components. He is also a co-principal investigator in the NHERI cyberinfrastructure, DesignSafe-ci, funded by NSF where he leads the data use case team and has published papers on data management, related to risk modeling and disaster risk management.

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## **Areas of Expertise**

Storm Mitigation Measures, Insurance Loss, Data Management, Rain Interior Damage, Vulnerability Models, Risk Analysis, Hurricane-Structure Interaction, Post-Storm Cleanup

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## **Affiliations**

American Association for Wind Engineering : Member, American Concrete Institute : Member, American Society of Civil Engineers : Member, American Society of Engineering Education : Member, Earthquake Engineering Research Institute : Member, French Society of Seismic Engineering, France : Member

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## **Education**

**Georgia Institute of Technology**  
Ph.D. Structural Engineering

**Georgia Institute of Technology**  
M.S. Civil Engineering

**University of Buenos Aires**  
B.S. Civil Engineering

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## Accomplishments

Florida Tech Senate Award for Excellence in Research  
2007

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