

Thornton Tomasetti

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For Immediate Release

Thornton Tomasetti Senior Associate Heather Reed Invited to Participate in the 2018 U.S. Frontiers of Engineering Symposium

(New York, N.Y. – August 6, 2018) – Heather Reed, Ph.D., a senior associate in the New York, Wall Street office of Thornton Tomasetti, the international engineering firm, has been invited by the National Academy of Engineering (NAE) to attend the 2018 U.S. Frontiers of Engineering Symposium (USFOE) September 5-7 at the MIT Lincoln Laboratory in Lexington, Massachusetts.

Each year, the USFOE brings together 100 innovative engineers under the age of 45 from U.S. companies, universities and government labs to discuss leading-edge research and technical work across a range of engineering fields. The goal of the symposium is to facilitate cross-disciplinary exchange and promote the transfer of new techniques and approaches across fields in order to sustain and build innovation among the next generation of engineering leaders. Participation is by invitation-only following a competitive selection process. The symposium in September will focus on four areas: quantum computers, technology for humanitarian assistance and disaster relief, resilient and reliable infrastructure and theranostics.



A key member of the Weidlinger Applied Science practice, Reed has worked on research projects in such areas as model-based, Bayesian statistical data inversion, uncertainty quantification, and reliability, multi-physics simulations and reduced order modeling techniques. She developed an extreme event, structural risk computational framework that randomly samples potential structural threats and assesses the resulting risk.

Reed holds a Ph.D. and master's and bachelor's degrees in civil engineering, all from Cornell University. In 2017, she was named a "Rising Star in Structural Engineering" by *Civil + Structural Engineering* magazine. She is a member of American Society of Mechanical Engineers Verification & Validation 50 committee and a member of the Acoustical Society of America.

Reed joins a long list of Thornton Tomasetti executives to be invited to a NAE Frontiers of Engineering Symposium. Recent FOE alums include Managing Director Peter DiMaggio, Senior Principals Elisabeth Malsch and Peggy Van Eepoel, Principal Pawel Woelke, and Vice President Liling Cao.

Supporting Materials

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www.ThorntonTomasetti.com

National Academy of Engineering

www.naefrontiers.org

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Thornton Tomasetti optimizes the design and performance of structures, materials and systems for projects of every size and level of complexity. An employee-owned organization of engineers, scientists, architects and other professionals collaborating from more than 40 offices worldwide, we support clients by drawing on the diverse expertise of our integrated practices. We are committed to be a sustainable and enduring organization and the global driver of innovation in our industry.

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