

Ritush Pahari

EI

Senior Staff Consultant



Ritush Pahari serves as a Senior Staff Consultant at ESI and brings over nine years of professional experience in forensic engineering. He offers expertise across a wide range of engineering services, with a strong background in diagnosing structural issues and failures. Mr. Pahari specializes in comprehensive assessments of roof systems for both residential and commercial properties, evaluating the extent of damage resulting from wind or hail exposure and subsequent water intrusion. His experience includes post-hurricane evaluations following major events such as Hurricanes Matthew, Irma, Michael, Ian, Helene, and Milton. Additionally, he has conducted assessments to determine the impact of vehicle collisions, tree strikes, wind, and storm surges on structural integrity. Mr. Pahari also possesses significant experience in identifying the cause, origin, extent, and duration of moisture-related damage to building components. His work further encompasses investigations into construction defects affecting residential and commercial structures.

Mr. Pahari has conducted floor elevation surveys using zip level and water level manometer to assess surface elevation differences. He has gathered field data, researched, and reviewed forensic documents. Additionally, he has experience with hand auger borings, foundation test pit excavations, and collecting data on sub-surface conditions.

Education

ME, Civil Engineering. University of South Florida. 2020

BS, Civil Engineering. University of South Florida. 2016

Positions Held

Engineering Systems Inc., Tampa, Florida

- Senior Staff Consultant, 2023 – Present

Envista Forensics, Tampa, Florida

- Project Consultant, 2021 – 2023

Contact Information

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ESi Tampa

2870 Scherer Drive, Suite 200
St. Petersburg, FL 33716

Areas of Specialization

- Cause and Origin Damage Assessments
- Failure Analysis & Root Cause Investigations
- Settlement / Subsidence Analysis
- Sinkhole Investigations and Structural Damage Determination F.S. 627.706
- Building Envelope Investigations
- Design Deficiencies
- Oversight of Destructive Testing
- Water Leakage Investigations
- Flooring Damage Assessments
- Impact Damage Assessments
- Wind Damage Assessments
- Hail Damage Assessments
- Doors and Windows Assessments

NV5, Tampa, Florida

- Structural Forensic Project Coordinator, 2019 – 2021

GHD, Tampa, Florida (Forensic Department acquired by NV5 in 2019)

- Structural Forensic Project Coordinator, 2017 – 2019

Bracken Engineering, Tampa, Florida

- Project Engineer (Jacksonville, FL), 2016 – 2017
- Project Engineer (Tampa, FL), 2016 – 2016
- Structural Intern (Tampa, FL), 2016 – 2016

Tampa Hillsborough Expressway Authority, Tampa, Florida

- Intern, 2015 – 2015

Certifications / Trainings

- **WACH 1001: Walkway Auditor Certificate Holder** – 2026
- **FAA Remote Pilot Certificate** - 2025
- **Aerial Work Platforms / Lift Operation Training** – 2023
- **CPR / AED Training** – 2026
- **OSHA Ladder Safety Training** – 2023
- **Second Responder Inspector** – 2016
- **Endorsement of Proficiency “When Disaster Strikes”** – 2016
- **First Aid Training** – 2016

Professional Affiliations/Honors**ASM International**

- International Institute of Building Enclosure Consultants, 2023
- Claims and Litigation Management Alliance, 2023
- National Council of Examiners for Engineering and Surveying, 2016
- Americal Society of Civil Engineers, 2015