

Christos E. Athanasiou

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Education

- 2018 Ph.D., Optics & Mechanics of Materials, Ecole Polytechnique Fédérale de Lausanne - EPFL, Switzerland
- 2012 BSc & MSc, Applied Physics, School of Applied Sciences, National Technical University of Athens - NTUA, Greece

Experience

- 2022 – present Assistant Professor, School of Aerospace Engineering, Georgia Tech (GT)
- 2021 – 2022 Visiting Postdoctoral Researcher, Center for Bits & Atoms, Massachusetts Institute of Technology (MIT)
- 2018 – 2022 Postdoctoral Researcher, School of Engineering, Brown University

Awards and Honors

- 2025 Eshelby Young Faculty Mechanics Award, American Society of Mechanical Engineers {1 award per year recognizing excellence in multidisciplinary mechanics}
- 2025 Climate Tech Fellow, The New York Climate Exchange {for commercialization efforts on the use of bioengineered materials for critical element recovery}
- 2024 Orr Early Career Award, American Society of Mechanical Engineers {1 award per year recognizing early career excellence in fracture mechanics}
- 2024 NSF CAREER Award, National Science Foundation

Professional Membership and Service

Memberships: American Society of Mechanical Engineers (ASME), American Institute of Aeronautics and Astronautics (AIAA), Society of Engineering Science (SES); *Editorial Board Member:* Acta Mechanica Sinica; *Guest Editor:* Mechanics of Materials – Special Issue in Machine Learning; *Proposal Reviewer:* NSF and NOAA Sea Grant (US), ERC (Europe), RGC (Hong Kong); *Reviewer:* Nature, Science, Science Advances, PNAS, Acta Materialia (Outstanding Reviewer Award, 2020); *Panelist and Scientific Rapporteur:* International Symposium “Science Across Boundaries,” Seville (2026)

Patents, Publications, and Invited Talks

Patents: 6 US utility patent applications filed; *Publications:* 30 peer-reviewed journal articles, 6 peer-reviewed conference proceedings, 1 book monograph in review; *Invited talks across academia, industry, and national labs:* 17 (since 2024).

Other

Societal Impacts & Science Democratization: 2025 TEDx Atlanta Talk on How to Build a City on Mars; development of open, community-accessible machine learning tools for fracture analysis