

# Stanford

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## Jeffrey Robinson Wood

Capstone Course & Lab Projects Development Director, Mechanical Engineering

### Bio

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#### CURRENT ROLE AT STANFORD

ME Capstone Course and Lab Project Development Director

Jeff is the ME Capstone Course and Lab Projects Development Director, where he brings his 25-year industry experience to the role. He is responsible for the ongoing strategy, design, curriculum plan and instruction plans for capstone courses in the Mechanical Engineering Department, as part of a broad effort to redesign the curriculum requirements for the undergraduate degree in Mechanical Engineering.

Lecturer, ME170ab - Mechanical Engineering Design: Integrating Context with Engineering

Jeff is a lecturer for the capstone course he has developed, where he brings his extensive experience with the industry product development process to the class. In addition to establishing budget, resource, timeline requirements, Jeff has successfully promoted incorporating themes into the course consistent with the goals of the department and university – to address the pressing needs of human society: energy, sustainability, health, transportation.

Member, Undergraduate Curriculum Committee, Mechanical Engineering

Innovation Mentor, TomKat Center for Sustainable Energy

#### EDUCATION AND CERTIFICATIONS

- MS, Stanford University , Mechanical Engineering (1990)
- BS, UC San Diego , Applied Mechanics (1988)

#### PATENTS

- John D Burr, Jeff R Wood, Adrian E Smith, John A Howard, Fabrizio Niccolai. "United States Patent 10,124,128 Aerosolization Apparatus with Removable Mouthpiece", BGP Products Operations GmbH, Nov 13, 2018
- David A Limp, Nathan Brent Glissmeyer, Peter A Larsen, Peter John Thomas Johnson, Jason John Marine, Jeffrey Robinson Wood. "United States Patent 9,563,264 Cover with Device Condition Indication", Amazon Technologies, Inc, Feb 7, 2017
- Jeffrey Wood, Monica Mecchella, Peter Johnson, Ryan Tong, Keeley Boehmer, Sarah Kirchoff, Paul Van Gasse. "United States Patent 9,326,404 Electronic Device Cover", Amazon Technologies, Inc, Apr 26, 2016
- Jeffrey Wood, Monica Mecchella, Peter Johnson, Ryan Tong, Keeley Boehmer, Sarah Kirchoff, Paul Van Gasse. "United States Patent 9,298,216 Electronic Device Cover & Device Activating Mechanism", Amazon Technologies, Inc, Mar 29, 2016
- Jeffrey Wood, Monica Mecchella, Peter Johnson, Ryan Tong, Keeley Boehmer, Sarah Kirchoff, Paul Van Gasse. "United States Patent 9,049,911 Electronic Device Cover", Amazon Technologies, Inc, Jun 9, 2015
- Brion Lapointe, David Northway, Robert Riccomini, Ken Weber, Jeff Wood. "United States Patent 5,237,486 Structural Frame - Portable Computer", Apple Computer, inc, Aug 17, 1993

## LINKS

- ME 170 site: <https://me170.stanford.edu>
- Jeff's LinkedIn Page: <https://www.linkedin.com/in/jeff-wood>

## Teaching

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### COURSES

#### 2023-24

- Intro to Solid Mechanics: ENGR 14 (Spr)
- Mechanical Engineering Design- Integrating Context with Engineering: ME 170A (Aut)
- Mechanical Engineering Design: Integrating Context with Engineering: ME 170B (Win)

#### 2022-23

- Mechanical Engineering Design- Integrating Context with Engineering: ME 170A (Aut)
- Mechanical Engineering Design: Integrating Context with Engineering: ME 170B (Win)

#### 2021-22

- Mechanical Engineering Design- Integrating Context with Engineering: ME 170A (Aut)
- Mechanical Engineering Design: Integrating Context with Engineering: ME 170B (Win)

#### 2020-21

- Mechanical Engineering Design- Integrating Context with Engineering: ME 170A (Win)
- Mechanical Engineering Design: Integrating Context with Engineering: ME 170B (Spr)