

# Carnegie Mellon University College of Engineering



## ABOUT DEAN James H. Garrett, Jr.

### ABOUT THE COLLEGE

The College of Engineering at Carnegie Mellon University is top-ranked among its peers and is known for its intentional commitment to cross-disciplinary collaboration in research. Our acclaimed engineering faculty yield transformative results that drive the intellectual and economic vitality of our community, nation, and world.

We offer graduate and undergraduate degree programs in biomedical engineering, chemical engineering, civil and environmental engineering, electrical and computer engineering, engineering and public policy, information networking, materials science and engineering, mechanical engineering, Engineering and Technology Innovation Management, and Energy Science, Technology and Policy. Our “maker” culture is ingrained in all that we do; our Maker Ecosystem brings together faculty and students from many disciplines to create, physically realize, and evaluate solutions to complex problems in industry, government and academia.

Even before our students graduate, they are sought out for internships. Graduates of our programs have excellent opportunities awaiting them in industry, government, academia, and the corporate world. Our global network of alumni is changing what it means to be an engineer in the world. By using an authentic interdisciplinary approach to problem solving that is the signature of Carnegie Mellon, every day our engineers are making an impact.

**James H. Garrett, Jr. became Dean of Carnegie Mellon University's College of Engineering in 2013.** Immediately prior to that, he spent six years as head of the Department of Civil and Environmental Engineering. Dean Garrett is Carnegie Mellon plaid through and through, having received his B.S. ('82), M.S. ('83), and Ph.D. ('86) degrees in Civil and Environmental Engineering from the institution. He joined the faculty of the College as an assistant professor in 1990 and was promoted to full professor in 1996. Dean Garrett has served in other administrative roles including Associate Dean for Graduate and Faculty Affairs (2000-2006) and Acting Dean (2004), as well as faculty co-director of the Smart Infrastructure Institute, a research center aimed at developing sensing technology for construction and infrastructure systems.

Throughout his research career, Dean Garrett focused on how sensors and data analytics can make our cities more adaptive and efficient. This approach aims to give our built infrastructure the ability to detect and report on problems directly to the humans charged with maintaining those structures, allowing for more proactive and cost-effective infrastructure management.

As Dean of the College, he has demonstrated an unprecedented commitment to the integration of research and teaching across engineering, science, arts, business, and other disciplines, to effectively produce a generation of creative and technically strong engineers who are equipped to pioneer solutions to global challenges. Dean Garrett's focus on bringing the collaborative spirit of making to the College continues to build on the unique strengths of Carnegie Mellon's students and faculty.

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### OFFICE OF THE DEAN

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