

**PAUL J. TIKALSKY, Ph.D., P.E., F.ACI, F.ASCE, EAČR**  
**Dean and the Donald & Cathey Humphreys Endowed Chair**  
**Professor of Civil & Environmental Engineering & Professor of Materials Engineering**  
**College of Engineering, Architecture, and Technology**  
**Oklahoma State University**

## **BIO**

Dr. Paul Tikalsky is completing his 11<sup>th</sup> year as Dean of the College of Engineering, Architecture, and Technology at Oklahoma State University. A leading scholar in the development of long-life sustainable materials, Tikalsky is also known as an advocate for public and land grant university's role in higher education, engaging diverse students in experiential learning and resourcing large-scale innovation in transdisciplinary research.

Tikalsky has spent over three decades as an award-winning professor, and academic leader at public R1 and Land Grant Universities, raising more than \$250 million for student success and scholarships, faculty support, and building world-class facilities for teaching and research. Dr. Tikalsky successfully engaged State Regents, industrial leaders, legislators, and public agencies to create the case that increased higher education funding by more than \$125 million over the next 10 years through the Oklahoma Engineering Initiative.

At OSU he has transformed the college with initiatives that finish more degrees in four years, provide pre-college bridge and STEM programs for students from economically disadvantaged communities, elevate academic standards, and increase the diversity of the students and faculty. The results increased the number of graduates by 82% and engage more than 15,000 young people annually in K-12 STEM and reading programs, each earning a potential scholarship for college. He has created and supported student living and learning communities and tripled the financial scholarships from the college. His ENDEAVOR initiative has infused transdisciplinary and hands-on learning into shared laboratories and the pedagogy of every degree.

His shared governance style and aspirational outlook on leadership have led to faculty units defining new workload models and scholarly standards that have doubled research expenditures and increased support for interdisciplinary research centers. Among his awards, Dr. Tikalsky has received recognition for the development and support of diversity and inclusion programs from the American Society of Engineering Education and *Insight into Diversity*, establishing an integral part of OSU's 11 consecutive HEED awards.

Previously, Professor Tikalsky was the Chair of Civil & Environmental (Nuclear) Engineering at the University of Utah and the Deputy Director of the Larson Transportation Institute at Penn State University.

Tikalsky earned a B.S. with honors and distinction from the University of Wisconsin at Madison, and M.S. and Ph.D. degrees from the University of Texas at Austin. He was elected to the National Academy of Engineering in the Czech Republic for his work in simulation-based mathematics and he is a Fellow of multiple professional societies. He has led more than \$17 million dollars of contract research to support graduate students and research efforts, developing and implementing solutions with lower carbon and reclaimed materials. His research work with his students has led to more than 110 peer-reviewed publications, and reduced greenhouse gases by millions of tons. His work focuses on the integration of material science and technology for sustainable building materials, durability and sustainable performance systems, and the economics of such systems.