

Chip Ferguson

Professor at Western Carolina University

Cullowhee, NC, US

Chip Ferguson, individually, with students and other faculty, has completed over 15 significant research projects and patents applications.

Biography

Dr. Chip Ferguson currently serves as the Associate Dean of the College of Engineering and Technology and Professor of Engineering and Technology. His past roles in the College include serving as program director and interim department head for the Department of Engineering and Technology and School Director for the Kimmel School of Construction Management. Dr. Ferguson received the designation of IDEAL Scholar from the Accrediting Bodies for Engineering and Technology (ABET) and is an ABET Program Evaluator (PEV). He received WCU's Innovative Scholarship Award in 2016, the Kimmel School's Board of Governors Teaching Award in 2008 and the Excellence in Mentoring and Advising award in 2011. Working individually, with students and other faculty, and Western's Center for Rapid Center he has completed over 15 significant applied research projects, two of which resulted in U.S. patent applications. He primarily served as a faculty mentor on engineering design projects for the United States Army Special Operations Command. Additionally, he has published over 30 peer-reviewed articles. In 2012, Dr. Ferguson was designated as a Pisgah Astronomical Research Institute's (PARI) Faculty Research Affiliate for his collaboration on applied research projects and proposal work. Dr. Ferguson also serves as the PI on a National Science Foundation SSTEM funded SPIRIT Scholar program. Dr. Ferguson earned both his undergraduate and graduate degrees in Mechanical Engineering Tech. from the University of Southern Mississippi and his doctorate in Educational Leadership, concentration in Higher Education Curriculum and Instruction, from Western Carolina University. Prior to Western, he worked five years in industry designing and developing electro-mechanical and hydrostatic power systems.

Areas of Expertise

New Product Design and Development, Strengths of Materials, Engineering Fundamentals, Engineering Graphics, 3D Constraint-Based Computer Modeling, Engineering Statics, Fluid Power

Education

Western Carolina University

EDD Educational Leadership - Higher Education Curriculum and Instruction

University of Southern Mississippi

B.S. Mechanical Engineering Technology

University of Southern Mississippi

M.S. Mechanical Engineering Technology

Accomplishments

WCU's Innovative Scholarship Award

2016

Excellence in Mentoring and Advising Award

2011

Kimmel School's Board of Governors Teaching Award

2008

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