

NSF support of research

A 30 mins seminar by Prof. Clive Woods
Associate Dean for Research and Graduate Affairs
Professor of Electrical & Computer Engineering
University of South Alabama

Time: 11:30 am-12noon Central Time, Tuesday, February 7, 2023

Zoom link: <https://southalabama.zoom.us/j/92453839462>

Abstract:

This is the second of two 30-minute presentations covering the basics of how to approach proposal submission to the National Science Foundation (NSF), the world's most prestigious research-funding agency. This presentation will cover detailed strategies for pitching successful proposals to NSF and how to proceed after receiving a notice of a declined proposal from NSF.

Dr. R.C. Woods moved to the University of South Alabama in 2016 as **Associate Dean of Engineering** responsible for **research** and **graduate affairs**. He studied at New College in the University of Oxford where he earned Bachelor's and Master's degrees, and the Doctor of Philosophy degree for his original research on magnetic resonance conducted at the University of Oxford's Clarendon Laboratory. Next he worked on surface-acoustic wave signal-processing devices in the University of Oxford's Engineering Science Department. Following this, he was Senior Scientist at Plessey Research (Caswell) Ltd., Towcester, specializing in semiconductor lasers and LED systems.

He was then a Lecturer and subsequently Senior Lecturer (equivalent to Assistant and Associate Professor respectively in the U.S.A.) in Electronic and Electrical Engineering at the University of Sheffield. During this period, his research mostly concerned compound semiconductor devices and MEMS. In 1989 he was awarded a British Association Fellowship, for several years he served as Associate Editor of the IEE Electronics and Communication Engineering Journal, and in 1995 he was Professeur Invité at the Institut National des Sciences Appliquées de Lyon, France. He was appointed Full Professor of Electrical and Computer Engineering at Iowa State University, Ames, Iowa, in 2002. Moving again in 2006 to be Department Chairman, his Department achieved its best-ever performance under his leadership.

In 2010 he was appointed Japan Program Director in the Office of International Science and Engineering at the National Science Foundation (NSF), and subsequently took additional responsibility for the U.S. collaborative basic research programs in Korea, New Zealand, Australia, Mongolia, and Taiwan. He also led the NSF CNIC program for catalyzing new international collaborations, and was a member of the NSF Optics and Photonics Roadmap working group and the International Science and Engineering Strategic Planning group. For his work at NSF he received the NSF Director's Award for Collaborative Integration recognizing his "exceptional teamwork in representing a model for a truly collaborative activity across the Foundation involving science, administration, and science diplomacy."

In 2005 he was awarded the D.Sc. Higher Doctorate by the University of Oxford acknowledging his distinguished research achievements over many years, and in 2006 he was elected a Fellow of the Institution of Engineering and Technology (formerly the IEE). He has authored more than 130 peer-reviewed research publications (plus a number of patents) and is an invited member of multiple NSF research panels. He is a member of the Editorial Board for several prestigious peer-reviewed research journals including IET Nanodielectrics and Springer Nature/Light: Science & Applications, and is a Program Evaluator for the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology. In 2021 the IEEE appointed him to its Ethics and Member Conduct Committee which he Chairs in 2022 and 2023.

