

Short Biography for Joo L. Ong



Joo L. Ong received his bachelor's degree from the University of Iowa in 1987, and his M.S. and Ph.D. from the University of Alabama at Birmingham in 1990 and 1994, respectively. He is currently the USAA Distinguished Professor of Biomedical Engineering and the Senior Associate Dean of Administration and Graduate Studies in the Klesse College of Engineering and Integrated Design at the University of Texas at San Antonio (UTSA). His past academic appointments include being the Program Director for the Joint Graduate Program in Biomedical Engineering between the University of Texas Health Science Center at San Antonio and UTSA as well as being the Department Chair for the Department of Biomedical Engineering at UTSA.

Dr. Ong is not only recognized as a world-class leader, researcher and innovator in the fields of biomedical engineering, specifically for dental and orthopedic applications, but also as an accomplished leader in professional societies, biomedical education and academic administration and the community. He has trained/mentored several generations of engineers regarding innovative medical device designs and with interests in the regeneration of bone on dental and orthopedic implant surfaces. Many of his advisees/mentees (18 post-doctoral fellows and residents, 15 Ph.D., 21 MS, and 18 undergraduate students) are co-authors of patent applications and peer-reviewed publications and are now pursuing their own successful careers in industry, research institutions, and universities. Funded by the National Institute of Health, National Science Foundation, the Whitaker Foundation, Implant Dentistry Research and Education Foundation, Academy of Prosthodontics, American Association for Dental Research, and the Department of Defense, as well as numerous biomedical industries, Dr. Ong's past and current research activities have resulted in more than \$40 million of total research funding and 7 issued patents.

As a leader in his field who currently has published more than 160 peer-reviewed papers in high impact biomedical engineering, dental, and scientific journals as well as having edited a book and published 16 book chapters, Dr. Ong's co-authored textbook entitled "Introduction to Biomaterials: Basic Theory with Engineering Applications" is currently adopted by many biomedical engineering programs in academic institutions around the nation and around the world. Outside the UTSA, Dr. Ong is an accomplished leader in professional societies and is very active in his community services, including serving as the Associate Editor for the Journal of Biomedical Materials Research Part B: Applied Biomaterials, a member on scientific committees and editorial boards, and a grant review panel member for the Department of Defense, the National Science Foundation, the National Institutes of Health, and international funding agencies around the world. For his professional accomplishments and leadership contributions to education and research, Dr. Ong has been recognized by his peers and is elected *Fellow* of the *National Academy of Inventor*, the *International College of Biomaterials Science and Engineering*, the *American Institute for Medical and Biological Engineering*, and the *Biomedical Engineering Society*. He is also a member of the *UTSA Academy of Distinguished Researchers*.