Professor Seeram RAMAKRISHNA, FREng

Vice President (Research Strategy) National University of Singapore
email: seeram@nus.edu.sg | Ph: 65 94876767

Seeram Ramakrishna is Professor of Mechanical Engineering and Vice-President (Research Strategy) at the National University of Singapore, NUS. As a vice-president his responsibilities include building of synergistic research partnerships with leading institutions around the world and funding organizations to address global challenges such as energy, water, climate change, healthcare, infectious diseases, ageing, and cyber security; and enhancing the research excellence and visibility of NUS.

Professor Seeram assists the university in fostering research collaborations with the members of Campus for Research Excellence and Technological Enterprise, CREATE worth hundreds of millions of dollars.

Professor Seeram chairs the governing board of Solar Energy Research Institute of Singapore (SERIS), Clean Energy Program Office, National Research Foundation. He serves on the boards of Institution of Engineers Singapore (IES); Energy Studies Institute (ESI), Ministry of Foreign Affairs and Ministry of Trade & Industry; Temasek Polytechnic, Ministry of Education; and DSO National Laboratories, Ministry of Defence. He is a member of NUS President's taskforce on Global Asia Institute.

He is the founding Co-Director of NUS Nanoscience & Nanotechnology Initiative (NUSNNI) since 2003.

He lectures widely on science & engineering of nanofibers, and also on the global trends of science, innovation, and universities.

He received his PhD in Materials Science & Engineering from the University of Cambridge and General Management training from the Harvard University. He is known globally for his pioneering work on electrospinning of nanofibers. According to the ISI Web of Knowledge, he is ranked 69th in the world in Materials Science by Essential Science Indicators. He is advancing solar energy, water treatment and regenerative medicine fields using engineered nanofibers. He developed aesthetic orthodontic brackets & arch wires and electrospinning machine, which are now commercially manufactured. He is a Fellow of major professional societies in Singapore, UK and USA. He is a recipient of Changjiang Professorship of China, ASEAN Outstanding Engineering Award, NUS Outstanding Researcher Award, Lee Kuan Yew Fellowship, and Cambridge Nehru Scholarship. He is a Fellow of ASEAN Academy of Engineering & Technology, ASEAN, and Royal Academy of Engineering, UK.