

Ranu Jung, PhD

Ranu Jung holds the Wallace H. Coulter Eminent Scholars Chair in Biomedical Engineering at Florida International University (FIU) where she is Interim Dean of the College of Engineering and Computing, Professor & Chairman of Biomedical Engineering and Director of the Adaptive Neural Systems Laboratory. She received her Bachelors with Distinction in Electronics & Communication Engineering from National Institute of Technology, Warangal, India and her Masters and Doctoral degrees in Biomedical Engineering from Case Western Reserve University. Jung's honors include induction into the *College of Fellows* of the American Institute for Medical and Biological Engineering appointment as *Commissioner* after senate approval to the Arizona Biomedical Research Commission and several awards including the *2011 New Florida Scholar's Boost Award* from the State of Florida, the *2002 Science and Engineering Award*, Governor's Certificate of Recognition, Commonwealth of Kentucky, the *2016 Outstanding Faculty Member Torch Award* from FIU, the *2012 Top Scholar* award at FIU, a *Whitaker Young Investigator Award*, a N.E. Ohio American Heart Associate Research Fellowship, and a National Institutes of Neurological Disorders and Stroke *National Research Service Award*. She is past-President of the international "Organization for Computational Neurosciences, Inc". She has chaired or served on advisory committees and scientific review panels for the US National Institutes of Health, the US National Science Foundation, research foundations, international universities and professional journals. Professor Jung's research interests are in neural engineering and computational neuroscience. With a longer than two-decade record of competitive federal funding she has been an entrepreneur and a leader in establishing academic-clinical-industrial partnerships. Of special interest to her are biohybrid systems that merge biologically inspired technologies with humans for recovery and restoration of lost function. She co-founded Advensys LLC, a small business R&D company. Her team has developed the first implantable, wirelessly controlled, direct neural interface system for restoring sensations to amputees and has received FDA approval for conducting a first-in-human trial for this novel Class-III medical device system. In 2011 she conceived, edited and published "[Biohybrid Systems: Nerves, Interfaces and Machines](#)" and in 2015 as co-Editor-in-Chief she published the first edition of a four volume "[Encyclopedia of Computational Neuroscience](#)".