



### Speaker Biography

**Vasudevan Lakshminarayanan (Vengu)** is a professor of vision science, physics, electrical and computer engineering and systems design engineering at the University of Waterloo. He was a "KITP Scholar" at the Kavli Institute for Theoretical Physics at UC Santa Barbara, an associate of the Michigan Center for Theoretical Physics and has held research and teaching positions at UC Irvine, UC Berkeley, University of Michigan and the University of Missouri amongst others. He is also an adjunct professor of Electrical and Computer Engineering at Ryerson University, Toronto. He has been a visiting professor at various universities worldwide. He also served on both of UNESCO's International Year of Light and International Day of Light planning committees and is , a founding member of the UNESCO ALOP Program . He is on the optics advisory board of the International Center for Theoretical Physics at Trieste, Italy since 2003, a consultant to the medical devices group of the US FDA (since 2011), has represented the United States at two IUPAP general assemblies, was chair of the US advisory committee for the International Commission on Optics, chair of the committee on international scientific affairs of the APS, a AAAS Science and technology policy fellow, a director of the OSA, etc. He is a fellow of a number of professional societies including the American Physical Society, AAAS, Optical Society of America, SPIE-the International Society for Optical Engineering,, Institute of Physics, etc. He has published widely in a number of areas ranging from quantum physics and spectroscopy, to bioengineering, mathematical optics, optical physics and engineering, image processing, optometry, ophthalmology, applied mathematics and cognitive neuroscience. He is the recipient of a number of Awards including the SPIE Optics educator award (2011) and the Esther Beller Hoffman medal of OSA (2013). He has been/or is technical editor/associate editor for a number of journals, including Optics Letters and Journal of Modern Optics and serves on a number of NIH study sections (including those on bioengineering, neurotechnologies, etc.) as well as other international funding agencies.