

Biography:

Dr. Ashwin K. Iyer received the BAsC., MAsC., and Ph.D. degrees in electrical engineering from the University of Toronto, Canada, in 2001, 2003, and 2009 respectively. He joined the faculty of the University of Alberta, Dept. of Electrical & Computer Engineering in the fall of 2009, where he now leads a growing group of talented graduate students in the analysis, characterization, and experimental validation of metamaterial phenomena and their applications to imaging and antennas.

Dr. Iyer was part of the pioneering effort at the University of Toronto in the early 2000s in developing metamaterials that exhibit a negative refractive index (NRI). Dr. Iyer's contributions have greatly influenced the evolution of metamaterials and have mobilized much of the later work in this area. He has contributed to several of the leading publications in the fields of RF/microwave engineering, antennas, physics, and optics, with a total citation count of over 2500, and he has co-authored 4 invited chapters appearing in the earliest references on the subject of metamaterials.

Dr. Iyer has received numerous awards, including the 2008 R. W. P. King Award for the best paper published in the previous year by an author under the age of 36 years, and the 2015 Donald G. Dudley Jr. Undergraduate Teaching Award, both presented by the IEEE AP-S. His students are also recipients of several major national and international awards for their research. He currently serves as an associate editor of the IEEE Transactions on Antennas and Propagation and co-chair of the IEEE Northern Canada Section's joint chapter of the AP-S and MTT-S societies. Dr. Iyer is a member of the IEEE and a registered member of the Association of Professional Engineers and Geoscientists of Alberta (APEGA).