Research Book Contributions and Books Published:

**Book Chapters:**


**Research Book Contributions:**


Magazine Articles:


Serial Journal Regular Articles:


Pending Journal Publications (Under Review, Revision, Preparation):


**Conference Proceedings and Presentations:**


[61] T. Haq, K. J. Webb (Invited Speaker), and N. C. Gallagher, “Aperiodic grating for $TE_{02}$ to $TE_{01}$ conversion in a highly overmoded circular waveguide,” Digest of the Optical Society of America Topical Meeting on Signal Recovery and Synthesis, pp. 31-33, Mar. 12-17, 1995, Salt Lake City, Utah.


Patents:


Invited Lectures:

- Royal Melbourne Institute of Technology, Australia, “EM research at the Univ. of Maryland,” July 1987.

• Varian, Palo Alto, CA, “Compact waveguide mode converters, June 1, 1994.


• University of Delaware, “Optimized irregular electromagnetic mode transformation, September 26, 1996.


• Royal Melbourne Institute of Technology, “The velocity modulated transistor (VMT) - the world’s fastest FET,” April 8, 1998.


• Royal Melbourne Institute of Technology, Sept. 28, 2004: “Can we build a perfect lens using material with a negative refractive index?”

• Illinois State University, Dept. Physics, March 30, 2005: “Optical diffusion tomography.”

• University of Illinois, Urbana, May 3, 2005: “Imaging potential of a negative refractive index lens.”

• University of California, Berkeley, Nov. 1, 2006: “Light in scattering media: from finding cancer to building a better lens”

• Royal Institute of Technology, Stockholm (Kista), Nov. 14, 2006: “Subwavelength control of light”

• Royal Institute of Technology, Stockholm, Dept. of Theoretical Chemistry, Nov 23, 2006: “Characterizing and imaging scattering media”


• IEEE lecture, Royal Melbourne Institute of Technology, Australia, Feb. 21, 2007: “Subwavelength control of light”

• University of Canterbury, New Zealand, Mar. 22, 2007: “Medical imaging with light”

• University of Canterbury, New Zealand, Mar. 23, 2007: “Subwavelength control of light”

• Royal Institute of Technology, Stockholm, AlbaNova Center (Physics), June 7, 2007: “Medical imaging with light”

• Pennsylvania State University, University Park, PA, January 29, 2008: “Subwavelength Control of Light”

• Stanford University, Stanford, CA, January 26, 2009: “Thoughts on Biophotonics and Nanophotonics”

• University of Michigan, Ann Arbor, MI, March 13, 2009: “Thoughts on Biophotonics and Nanophotonics”

• University of California, Berkeley, CA, October 16, 2009: “Perspectives on Nanophotonics”

• University of Melbourne, Australia, November 4, 2009: “Perspectives on Biophotonics and Nanophotonics”