

Arti's current professional positions reflect her dual passions: Science and Social Justice. She is currently an Adjunct Associate Professor in the School of Electrical and Data Engineering at the University of Technology Sydney. She is also the CEO and founder of a Vividhata Pty Ltd a diversity and inclusion consulting company.

Previously Arti worked at City, University of London from 2005-2017 in the Department of Electrical Engineering. She was a Royal Society postdoctoral fellow, and her PhD was on modelling methods for optical components, completed at the Indian Institute of Technology Delhi in 2005.

Arti's research interests lie in optics: modelling of photonic components such as solar cells, optical fibers, sensors, lasers etc. She is an expert on numerical methods for optics such as Finite Element Method (FEM). She has written a book on FEM, and edited a book on trends in computational photonics.

She has taught the short course on FEM at CLEO and CLEO Europe several times.

Arti is a Senior Member of the IEEE, OSA, Fellow of the Australian Institute of Physics and a Chartered Engineer and Chartered Physicist.

Arti was awarded the 2020 IEEE Photonics Society Distinguished Service Award for exceptional contributions to the Photonics Society as a champion of Diversity and Inclusion initiatives. She was also awarded the OSA Diversity and Advocacy Recognition in 2020 for an unwavering dedication to promoting diversity and inclusion throughout the global optics and photonics community.

She writes a blog: <http://artiagrawal.wordpress.com>