



### Speaker Biography

#### Prof. Joseph Shaw

He is the Director of the Optical Technology Center, Professor of Optics and Photonics, and Professor of Electrical Engineering at Montana State University in Bozeman, Montana, USA. Dr. Shaw develops optical remote sensing instruments for applications ranging from laser detection of fish from airplanes to measuring clouds for climate science. He also is a passionate photographer and loves to use his pictures to teach about optics in nature. He is the author of the 2017 book, *Optics in the Air*, which shows and explains numerous photographs of beautiful optical phenomena that can be seen in nature. Recognition for Dr. Shaw's contributions to optics research and education include the Presidential Early Career Award for Scientists and Engineers, the Vaisala Award from the World Meteorological Organization, and the Award for Excellence in Talent Development from the University Economic Development Association. He has just been announced as the recipient of the 2019 G. G. Stokes Award from SPIE for outstanding contributions to optical polarization. Dr. Shaw is a Fellow of both the Optical Society of America (OSA) and the International Society for Optics and Photonics (SPIE).