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**Dr. Son V. Nghiem** received the Ph.D. degree from the Massachusetts Institute of Technology. In 1991, he joined the Jet Propulsion Laboratory (JPL), California Institute of Technology (CalTech), where he is currently a Senior Research Scientist, the Science Applications Development Lead of the Radar Science and Engineering Section, and the JPL Hydrology Discipline Program Manager. His research encompasses active and passive remote sensing, development of advanced satellite radars and radiometers, electromagnetic scattering and emission modeling, and earth sciences and applications. CalTech has filed a provisional patent for his invention on high-resolution wind measurements with satellite data for offshore wind energy development. He has published 68 peer-reviewed articles and over 220 conference articles. He received the *1999 Lew Allen Award for Excellence* in recognition of his pioneering research in the areas of polarimetric scatterometry for Earth science remote sensing and contributions to future advanced satellite instrument concepts, the *2006 NASA Exceptional Achievement Medal* for developing scientific applications of scatterometry in land, ice, and snow processes, and the *2008 NASA Exceptional Scientific Achievement Medal* for his contributions to understanding the melt state of Greenland and Antarctica ice sheets, its significance in Earth science missions, and its implications in climate change. His research results were reported worldwide by major news networks (NBC, ABC, CBS, CNN, BBC, Reuters, Associated Press, UPI, The Weather Channel, National Geographic, Nature, The New York Times, The Los Angeles Times, etc., and many radio stations).