Dr. Tom Cwik
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Dr. Tom Cwik leads the *Space Technology Program* at NASA's Jet Propulsion Laboratory. He was formerly Associate Chief Technologist at JPL. In these roles he is key to strategic planning and the execution of technology research and development resulting in validated systems that enable new NASA space missions. These technologies span a wide spectrum and include robotics and structures, detectors and instruments, physics-based modeling and simulation as well as communication systems among others. He received his bachelor's, master's and doctorate in electrical engineering from the University of Illinois, Urbana-Champaign. He joined JPL in 1988 working in a range of advanced engineering and project activities including antenna design, instrument development and high-performance computing focusing on high-fidelity modeling of instrument and electromagnetic systems.

Previous positions included leading the *JPL Earth Science Instruments & Technology Office*. In this capacity he focused on identifying strategic areas of research and development, pro-actively developing and sustaining technology and instrument-development work for Earth-based remote sensing. He led proposal development of the Earth observing mission *Aquarius/SAC-D*, currently on-orbit as a NASA Earth System Pathfinder flight mission to measure sea surface salinity. Tom has supervised the *High Performance Computing Group* at JPL and has worked in engineering positions across a range of tasks and projects.

Tom is an IEEE Fellow, a Principal Member at JPL and an Affiliate Professor at the University of Washington, Department of Electrical Engineering, Seattle WA. He has written 8 book chapters and over 30 refereed journal papers. Tom has edited book and journal special issues and presented over 110 conference papers. He holds one U.S. patent and one is under application.