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BIOGRAPHICAL PROFILE

Ellen Sun is General Manager of United Technologies Research Center (China) Ltd. At UTRC China, Sun leads the development of expertise and execution of global and Asia-focused research projects in digital buildings, thermal systems, fluid dynamics, decision and control systems, and intelligent systems and manufacturing. In this role, she has full profit and loss responsibility over UTRC operations in China and also directs university partnerships, external/government relationships, and UTC business unit interactions in Asia.

Sun joined UTRC in 1999 as a Senior Research Engineer in the Materials Characterization Group and since then has held several leadership positions with increasing responsibilities. In her various roles, she executed strategic composites capabilities within the Physical Sciences Department; led the team responsible for pioneering the world's first low-cost, conformable compressed natural gas tank; directed the development of solid oxide fuel cell technologies for stationary and mobile power generation; and managed projects in the areas of high temperature protective coatings and ceramic matrix composites. Prior to her tenure at UTRC, Sun served as Staff Scientist at Oak Ridge National Laboratory, Knoxville, Tennessee.

Sun holds 10 U.S. patents and 22 patent applications, and has 69 journal publications and conference proceeding papers to her credit, with more than 1,300 citations. Among her many achievements, she is the recipient of two (2002, 2005) Best Paper Awards from the American Society of Mechanical Engineers (ASME); a Best Paper Award from the American Ceramic Society Engineering Ceramics Division; and two UTRC Outstanding Achievement Awards (2002, 2016). She was also honored as a Connecticut Technology Council Women of Innovation finalist (2014) and has been an invited speaker at the Ceramic Leadership Summit organized by the American Ceramic Society (2010). Further, she has served as a reviewer for the *Journal of the American Ceramic Society* and has organized symposiums and sessions at major technical conferences.

Sun received a Ph.D. in materials science and engineering and an M.S. degree in physics from Brown University, Providence, Rhode Island. She also earned an M.S. in business management from Rensselaer Polytechnic Institute, Troy, New York, and a B.S. degree in physics from Zhejiang University, Hangzhou, China.