

**Dr. Barbara A. Wilson**  
*Jet Propulsion Laboratory*



**EDUCATION**

University of Wisconsin-Madison  
Ph.D., Physics (Minor in Education)  
Mount Holyoke College, MA  
B.A. Physics, *summa cum laude*

**EXPERIENCE**

United States Air Force Research Laboratory  
Chief Technologist, 2001-2003  
Jet Propulsion Laboratory  
Chief Technologist, and Director, Center for Space Microelectronics  
Technology, 1999-2001  
Program Manager, Advanced Earth Instruments, 1996-1999  
Deputy Program Manager NASA New Millennium Program, 1994-1996  
Manager, Microdevices Section, and Manager, Microdevices Lab, 1991-1995  
Supervisor, Photonics, IR & Submillimeter-Wave Detectors Groups, 1988-1991  
AT&T Bell Labs  
Supervisor, Optoelectronic Materials Research Group, 1986-1988  
Member of Technical Staff, Physical Sciences Basic Research, 1978-1986

**AREAS OF EXPERTISE**

Space technologies, sensors, quantum structures.

**PROFESSIONAL/SCIENTIFIC/HONORARY AFFILIATIONS**

Corresponding Member, International Academy of Astronautics (2000); Fellow, and former General Councilor & Executive Board Member, American Physical Society; Senior Member, IEEE; NASA Exceptional Achievement Award; NASA Special Achievement Medal; JPL Exceptional Achievement Award; AT&T Bell Laboratories Exceptional Contribution Award; NRC panel member, ARL Sensor & Electron Devices Board.