



UND School of Engineering and Mines ACADEMY

Karen L. Nyberg

Born: October 7, 1969. Vining, MN

Education: UND BSME, 1994 Summa Cum Laude
Univ. of TX, Austin, MSME, 1996
Univ. of TX, Austin, Ph.D., 1998



NASA Experience

- 1991-1995 Johnson Space Center Co-op; received a patent for work done on Robotic Friendly Probe and Socket Assembly
- 1998 Crew and Thermal Systems Division; Environmental Control Systems Engineer
- 2000 Selected as a Mission Specialist; reported for training in August 2000
- 2002 Astronaut Office Station Operations Branch; Crew Support Astronaut and CapCom for the Expedition 6 Crew during their six month mission aboard the International Space Station.
- 2003 Astronaut Office Space Shuttle Branch; Orbiter Damage Assessment and Repair Teams
- 2005 Astronaut Office Exploration Branch; Advanced Spacesuits project
- 2006 Crew member on NEEMO 10, a deep-sea training and simulation exercise at the Aquarius underwater laboratory, testing concepts for return to the moon and eventual missions to Mars
- May 31- June 14, 2008 First spaceflight on-board STS-124, Space Shuttle Discovery's flight to the International Space Station, logging over 13 days in space and becoming the 50th Women in Space
- 2008 Chief, Astronaut Office Robotics Branch

Space Flight Experience

STS-124 Discovery (May 31 to June 14, 2008) was the 123rd Space Shuttle flight, and the 26th Shuttle flight to the International Space Station. STS-124 was launched from the Kennedy Space Center, Florida, and docked with the International Space Station on June 2 to deliver the Japanese Experiment Module-Pressurized Module (JEM-PM) and the Japanese Remote Manipulator System. STS-124 Shuttle astronauts delivered the 37-foot (11-meter) Kibo laboratory, added its rooftop storage room and conducted three spacewalks to maintain the station and to prime the new Japanese module's robotic arm for work during nine days docked at the orbiting laboratory. STS-124 also delivered a new station crew member, Expedition 17 Flight Engineer Greg Chamitoff. He replaced Expedition 16 Flight Engineer Garrett Riesman, who returned to Earth with the STS-124 crew. The STS-124 mission was completed in 218 orbits, traveling 5,735.643 miles in 13 days, 18 hours, 13 minutes and 7 seconds.

Awards

- 1991-92 UND School of Engineering and Mines Meritorious Service Award
- 1992 DJ Robertson Award of Academic Achievement
- 1993-1994 Joyce Medalen Society of Women Engineers Award
- 1993 NASA Tech Briefs Award
- 1993 NSA JSC Patent Application Award
- 1993 Space Act Award
- 1994 NASA JSC Cooperative Education Special Achievement Award
- 2004 UND Young Alumni Achievement Award Recipient
- 2008 Space Flight Medal
- 2008 UT Mechanical Engineering Academy of Distinguished Alumni Outstanding Young Mechanical Engineer Award
- 2009 UND Sioux Award Recipient

