



National Aeronautics and
Space Administration

International Space Station
Expedition 8 Crew





Expedition 8 is the eighth crew to live aboard the International Space Station (ISS) and the second new crew to inhabit the ISS since the loss of the space shuttle *Columbia*. They will arrive on Soyuz 7, which lifts off from the Baikonur Cosmodrome in Kazakhstan on October 18, 2003.

During their approximately six-month stay on the ISS, Expedition 8 will participate in many experiments in life, Earth, and microgravity science. In addition, they will be responsible for maintenance and logistical operations aboard the Station, and will conduct a spacewalk (EVA) using Russian Orlan spacesuits in late February 2004.

Expedition Commander C. Michael Foale (Ph.D.) NASA Astronaut

Michael Foale was born in Louth and raised in Cambridge, England. He attended the University of Cambridge, Queens' College, where he earned a B.A. degree in physics, Natural Sciences Tripos, with first class honors. While at Queens' College, he completed a Ph.D. in laboratory astrophysics. As a postgraduate at Cambridge University, Dr. Foale participated in the organization and execution of scientific scuba diving projects, including surveying underwater antiquities in Greece.

Dr. Foale joined NASA Johnson Space Center in 1983 in the payload



Kaleri

Foale

operations area of the Mission Operations Directorate. He was selected as an astronaut in 1987. He flew on STS-45 (1992), STS-56 (1993), and STS-63 (1995). In May 1997, he launched with the STS-84 (1997) Space Shuttle crew and joined the crew aboard the Russian Space Station *Mir*, where he served as Board Engineer 2 on the *Mir 23* and 24 missions. After spending 4½ months on *Mir*, Dr. Foale returned to Earth aboard STS-86 (1997). His last space flight was STS-103 (1999), an 8-day mission, which repaired and upgraded systems on the Hubble Space Telescope. During an 8-hour and 10-minute EVA, Foale and Claude Nicollier replaced the telescope's main computer and Fine Guidance Sensor. Foale has logged over 178 days in space, including three spacewalks, totaling 18 hours and 49 minutes.

Flight Engineer Alexander Yurievich Kaleri Test Cosmonaut of the Energia Rocket/Space Corporation (RSC)

Alexander Kaleri was born in Yurmala, Latvia. After graduating from the Moscow Institute of Mechanical Physics, Kaleri began working at the Energia Rocket/Space Corporation. He participated in developing design/technical documentation and full-scale tests of the *Mir* orbital station.

Selected as the Energia RSC cosmonaut candidate, Kaleri completed basic training and evaluation at the Gagarin Cosmonaut Training Center and qualified for flight assignment as a test pilot. He has logged 22 flight hours piloting the L-39 training aircraft. Kaleri served as a backup crew flight engineer for the *Mir-3* and *Mir-9* long-duration missions. He has participated in three

missions aboard the *Mir* orbital station. He served as the primary crew flight engineer for *Mir-11* (145 days' duration); as the mission flight engineer for the *Mir-22* mission (197 days' duration); and he also served as the mission flight engineer on *Mir-28*. Alexander Kaleri has logged a total of 416 days in space and has performed 4 spacewalks.



Expedition 8 Patch Description

This emblem represents the eighth long-duration expedition to the International Space Station. The banner encircling the Earth is a stylized figure 8, which combines the flags of the partner nations represented by the crew. The International Space Station is portrayed above the Earth in its assembly-complete configuration. The names of the two crew members, Michael Foale and Alexander Kaleri, are shown in the border.