

1st Space Technology Course

3rd Week Schedule

6 December (Monday) in CTU FTS (Na Florenci 25)

- 9:00 Opening of the 3rd part of the Course
Vladimír Remek, MEP, Czechoslovak Cosmonaut
- 9:30 Man in Space
a) a short history of manned space flight
b) fundamental requirements for life in space
c) life support technologies
Viktor Savinykh, Russian Cosmonaut
- 13:00 Lunch break
- 14:00 Man in Space
d) physiology under microgravity
e) psychological aspects of manned space missions
Viktor Savinykh, Russian Cosmonaut
- 17:00 End of lectures

7 December (Tuesday) in CTU FTS (Na Florenci 25)

- 9:00 Space Applications - an introduction
Karel Dobeš, Government Commissioner
- 9:30 Telecommunication
a) Broadcasting (from Sputnik to Astra)
b) Satellite networks
František Šebek, CMI
- 13:00 Lunch break
- 14:00 Space Application Navigation
a) Principles of satellite navigation
b) The global navigation systems (GPS, Glonass, Galileo)
c) Terrestrial Services and future trends
Prof. Ing. František Vejražka, CSc., CTU in Prague
- 17:00 End of lectures

8 December (Wednesday) in CTU FTS (Na Florenci 25)

- 9:00 Earth Observation Services
a) military reconnaissance
b) governmental Earth Observation application
c) commercial Earth Observation Services
Přemysl Štych, Charles University in Prague
- 13:00 Lunch break
- 14:00 Space Application: Earth Observation
a) Optical Systems
b) Radar Systems
c) data interpretation
doc. Jan Kolář, Czech Space Office
- 17:00 End of lectures

9 December (Thursday) in CTU FTS (Na Florenci 25)

- 9:00 Global Space - past, present and future
Bernd Schmidt, Astrium
- 10:30 New German Space programme
Klaus-Peter Ludwig, Astrium
- 11:30 Wrap up session
All participants
- 13:00 End of course

The Course Programme can be changed without notice / změna programu vyhrazena!