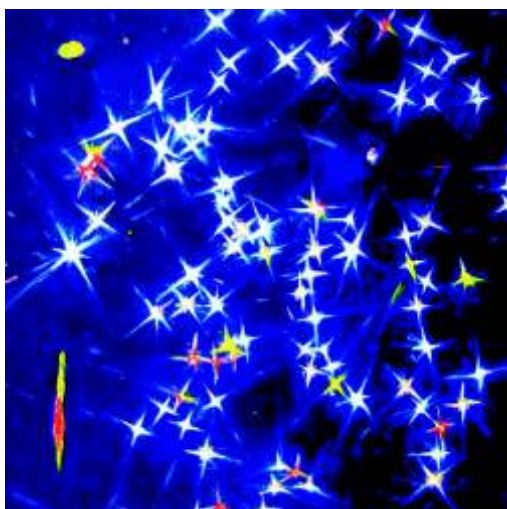
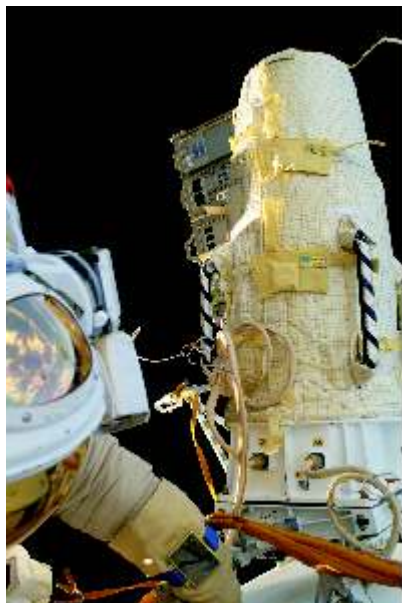


EXHIBITION space:art

1-2 APRIL 2009



MARTINEO

Sculptor Studio

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1<sup>ST</sup> HAMLET PUBLIC OUTREACH EVENT  
VIENNA, 1-2 April 2009



## RADIATION AND HUMAN SPACEFLIGHT

[www.fp7-hamlet.at](http://www.fp7-hamlet.at)

Organized by Dr. Michael Hajek (TUW), Dr. Thomas Berger (DLR)

### Topics

- Human Space Exploration
- Hazards from Space Radiation
- How Do We Measure Space Radiation?
- The MATROSHKA Project
- From Apollo to the ISS
- To Moon, Mars and Beyond ...

Exhibition space:art

VIENNA UNIVERSITY OF TECHNOLOGY

1040 Vienna, Karlsplatz 13 Free Entrance

HUMAN MODEL MATROSHKA FOR RADIATION EXPOSURE DETERMINATION OF ASTRONAUTS (HAMLET)

The HAMLET project is funded by the European Commission's Seventh Framework Programme under contract no. 218817.



## PROGRAMME

1 APRIL 2009



**18.00 h Welcome Addresses**

Prof. Dr. Peter Skalicky

Rector of the Vienna University of Technology

Prof. Dr. Harald W. Weber

Director of the Atomic Institute of the Austrian Universities

Prof. Dr. Hubert Christian Ehalt

Chief Administrator for Science Policies, Vienna City Administration

Dr. Günther Reitz

German Aerospace Center, Institute of Aerospace Medicine

**18.45 h Keynote Lecture Radiation Risk for Astronauts**

Prof. Dr. Jürgen Kiefer

Justus Liebig University Giessen

**19.45 h Opening of space:art Exhibition**

**20.00 h Reception**

**Moderation**

Dr. Michael Hajek, Vienna University of Technology

## PROGRAMME

2 APRIL 2009

**09.30 h Introductory Statement**

Dr. Günther Reitz, German Aerospace Center, Cologne

**09.45 h To Moon, Mars and Beyond ...**

Dr. Michael Hajek, Vienna University of Technology

**10.15 h History of Space Radiation Research**

Dr. Günther Reitz, German Aerospace Center, Cologne

**10.45 h Coffee Break**

**11.15 h From Matroshka to Hamlet**

Dr. Thomas Berger, German Aerospace Center, Cologne

**11.45 h Active Instruments to Measure Radiation—In Space!**

Dr. Sönke Burmeister, Christian-Albrechts-Universität zu Kiel

**14.00 h Thermoluminescence Dosimetry**

Dr. Paweł Bilski, Institute of Nuclear Physics, Krakow

**14.30 h Nuclear Track Etch Detectors**

Dr. József K. Pálfalvi, KFKI Atomic Energy Research Institute, Budapest

**15.00 h Coffee Break**

**15.30 h Neutron Dosimetry in the International Space Station**

Luke Hager, Health Protection Agency, Chilton

**16.00 h Radiation Risk Estimation—A Random Walk between Ones and Zeros**

Prof. Dr. Lembit Sihver, Chalmers University of Technology, Gothenburg