



HAMLET PUBLIC OUTREACH EVENT

OXFORD, 21st January 2010



RADIATION AND HUMANS IN SPACE

Organized by Health Protection Agency

Talks & exhibition:

- Human space exploration
- Hazards from radiation in space
- How do we measure radiation in space?
- From Apollo to the ISS to the Moon, Mars and beyond...
- The MATROSHKA Project



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ST CATHERINE'S COLLEGE
Manor Road, OXFORD OX1 3UJ

**FREE
ENTRY**

Repeat half-day sessions starting at 9:30 am and 1:30 pm

HUMAN MODEL MATROSHKA FOR RADIATION EXPOSURE DETERMINATION OF
ASTRONAUTS (HAMLET) www.fp7-hamlet.org.uk

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



RADIATION AND HUMANS IN SPACE

St. Catherine's College, Oxford, 21st January 2010

PROGRAMME

Morning Session

9:30 Exhibition

9:45 Welcome

Dr. Günther Reitz, German Aerospace Centre, Cologne

9:50 Humans in Space

- **To the Moon, Mars and Beyond**
Dr. Michael Hajek, Vienna University of Technology (20 mins)
- **History of space radiation research**
Dr. Günther Reitz, German Aerospace Centre, Cologne (20 mins)
- **From MATROSHKA to HAMLET**
Dr. Thomas Berger, German Aerospace Centre, Cologne (20 mins)

10:50 Break

11:10 Making Measurements in Space

- **Active Instruments**
Dr. Soenke Burmeister, Christian-Albrechts-University, Kiel (15 mins)
- **Thermoluminescence Dosimetry**
Dr. Pawel Bilski, Institute of Nuclear Physics, Krakow (15 mins)
- **Nuclear Track Etch Detectors**
Dr. Jozsef Palfalvi, KFKI Atomic Energy Research Institute, Budapest (15 mins)
- **Neutron Dosimetry**
Luke Hager, Health Protection Agency, Chilton (15 mins)
- **Radiation transport using Monte Carlo methods**
Dr. Monika Puchalska, Chalmers University of Technology, Gothenburg (15 mins)

12:25 Exhibition

RADIATION AND HUMANS IN SPACE

St. Catherine's College, Oxford, 21st January 2010

PROGRAMME

Afternoon Session

13:30 Exhibition

13:45 Welcome

Dr. Günther Reitz, German Aerospace Centre, Cologne

13:50 Humans in Space

- **To the Moon, Mars and Beyond**
Dr. Michael Hajek, Vienna University of Technology (20 mins)
- **History of space radiation research**
Dr. Günther Reitz, German Aerospace Centre, Cologne (20 mins)
- **From MATROSHKA to HAMLET**
Dr. Thomas Berger, German Aerospace Centre, Cologne (20 mins)

14:50 Break

15:10 Making Measurements in Space

- **Active Instruments**
Dr. Soenke Burmeister, Christian-Albrechts-University, Kiel (15 mins)
- **Thermoluminescence Dosimetry**
Dr. Pawel Bilski, Institute of Nuclear Physics, Krakow (15 mins)
- **Nuclear Track Etch Detectors**
Dr. Jozsef Palfalvi, KFKI Atomic Energy Research Institute, Budapest (15 mins)
- **Neutron Dosimetry**
Luke Hager, Health Protection Agency, Chilton (15 mins)
- **Radiation transport using Monte Carlo methods**
Dr. Monika Puchalska, Chalmers University of Technology, Gothenburg (15 mins)

16:25 Exhibition

OXFORD
St. Catherine's College
(01865) 271700

