

# Workshop on Radiation Monitoring for the International Space Station (WRMISS)

## Program

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Thursday 7<sup>th</sup> September

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|-------|--|----------------------|
| 8:45  | Welcome  | J. Lemaire, G. Reitz |
| 9:00  | <b>Guest Speech:</b> Historical prediction of the ring current                                     | F. Singer            |
| 9:30  | Report on recent and future activities   | G. Reitz             |
| 10:00 | Assessment of radiation hazard for ISS crewmembers on the basis of the radiation monitoring system | V. Benghin           |
| 10:30 | Break  |                      |
| 11:00 | ISS Hardware Certification Process and Challenges  | M. Weyland           |
| 11:30 | Omni-directional cubic position sensitive Si-detector telescope, RRMD-IV                           | T. Doke              |
| 12:00 | Data on Radiation belt and solar energetic particles deduced from dosimetry in low earth orbits    | S. Burmeister        |
| 12:30 | Lunch  |                      |
| 14:00 | <b>Invited talk:</b> Charged Particle Detectors used in Space                                      | B. Klecker           |
| 15:00 | Break  |                      |
| 15:30 | Crew active dosimeter and its calibration  | G. Badhwar           |
| 16:00 | The response of Tissue Equivalent Proportional Counters to HZE –Particles                          | T. Borak             |
| 16:30 | On board TL dosimetry :_Possibilities and Limitations  | S. Deme              |
| 17:00 | Calibration results obtained with Liulin-4 type dosimeters   | Ts. Dachev           |
| 17:30 | Some questions of the radiation weighting factor determination using silicon telescopes            | T. Pazmandi          |
| 19:30 | Dinner (Invitation by BIRA and DLR)  |                      |

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**Friday 8<sup>th</sup> September**

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| 9:00  | Potential Exposures aboard ISS during the July 14, 2000 SPE                                | S. Johnson   |
| 9:30  | Energy spectra of heavy cosmic rays of some hundred MeV inside the ISS                     | W. Heinrich  |
| 10:00 | MS REM: A data Base and Web Site for Manned Spaceflight Radiation Environment Measurements | M. Golightly |
| 10:30 | Break  |              |
| 11:00 | Discussion and Future Activities   | All          |
| 12:30 | Lunch  |              |
| 14:00 | Workshop Summary and Recommendations   | All          |
| 16:30 | Adjourn  |              |

Note: A SPENVIS Demo will be performed by Bart Quaghebeur, BIRA on Thursday and/or Friday upon request