

Name: Dr. Norbert Krupp



Birthday: 09 October 1963
Nationality: German
Address: Max Planck Institut for Solar System Research
Justus-von-Liebig-Weg 3,
37077 Göttingen, Germany
Tel.: +49-551-384979 154
Fax : +49 551-384979-240
E-Mail : krupp@mps.mpg.de

1991 Dipl. Phys., Universität Kaiserslautern, Germany

1994 Dr. rer. nat., Technische Universität Braunschweig,
Institut für Geophysik und extraterrestrische Physik, Braunschweig, Germany
in cooperation with the Max Planck Institute for Aeronomy, Katlenburg-Lindau,
Germany

1994 - 1995 Post Doc at the Johns Hopkins University Applied Physics Laboratory,
Laurel, Maryland, USA

Since Nov. 1995 Staff member at the Max Planck Institute for Solar System Research (former
Max Planck Institute for Aeronomy)
Göttingen, Germany

Main scientific interests

- Plasma processes in planetary magnetospheres, especially Jupiter and Saturn
 - radiation belts
 - plasma motion
 - auroral processes
 - boundary phenomena
 - global configuration and dynamics
 - interaction processes between magnetospheric plasma and moons, rings

Specific positions/tasks

- Member of the ESA/NASA Science Definition Team of the “Europa Jupiter System Mission” (former Laplace now JUICE mission)
- CASSINI Working Group lead of MAPS (Magnetosphere and Plasma Science)
- JUICE Interdisciplinary Scientist for magnetosphere and plasma science
- JUICE Working Group lead (Magnetosphere and Plasma science)

Team memberships and positions/tasks on the following space projects:

- PI of the ULYSSES-EPAC instrument
- Co-I on the CASSINI-MIMI instrument
- Co-I on the MARS EXPRESS-ASPERA-3 instrument
- Co-I on the VENUS EXPRESS-ASPERA-4 instrument
- Co-I on BepiColombo MMO, MPPE instrument
- Co-I on BepiColombo MPO, SERENA instrument
- Co-I on the GALILEO-EPD instrument
- Co-I on the JUICE PEP instrument
- Co-I on the JUICE J-Mag instrument
- Co-I on the JUICE SWI instrument
- Member of the JUNO-JEDI science team
- Co-I on the EUROPA CLIPPER PIMS instrument

Other projects:

- Involvement in the EU-funded project “EUROPLANET 2020 RI”, task leader of the Networking activity “Scientific Networking”.
- Scientific adviser of the German project “Europa Explorer EUREX” coordinated by the German center of artificial intelligence, Bremen together with Prof. Christensen
- MPS lead in the ESA-funded project JCAT (Jupiter Charging Analysis Tools) together with Dr. Elias Roussos as partner of Kallisto Consultancy, UK

Involvement in future projects:

- Member of the science team of the particle instrument IMS of the ESA-M3-proposal Thor

Other memberships:

- Member of the International Academy of Astronautics IAA
- Member of the European Geosciences Union
- Member of the American Geophysical Union