

Name: Dr. Norbert Krupp



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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

- Deputy of the planetary and cometary department at Max Planck Institute for Solar System Research since Nov. 2019.
- Member of the German COSPAR National Committee since 2018
- JUICE Interdisciplinary Scientist for magnetosphere and plasma science since 2014
- JUICE Working Group lead (Magnetosphere and Plasma science) bis 2020
- CASSINI Working Group lead of MAPS (Magnetosphere and Plasma Science) bis 2017
- Member of the ESA/NASA Science Definition Team of the “Europa Jupiter System Mission” (former Laplace now JUICE mission) 2006-2011

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

- 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
- Co-I on the MARS EXPRESS-ASPERA-3 instrument
- Co-I on BepiColombo MMO, MPPE instrument
- Co-I on BepiColombo MPO, SERENA instrument

Past

- PI of the ULYSSES-EPAC instrument
- Co-I on the CASSINI-MIMI instrument
- Co-I on the VENUS EXPRESS-ASPERA-4 instrument
- Co-I on the GALILEO-EPD 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) as partner of Kallisto Consultancy, UK
- Scientific adviser of the TRIPLE project lead by DLR and DFKI Bremen.

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