

# Conference Plasma physics

IKI, 2<sup>nd</sup> floor, presentation center

## October 2

### Chair: M. Balikhin

- 10:00 - 10:35 **A. Balogh**, *Magnetic fields in the solar system*
- 10:35 - 11:00 **N. Ness**, *Voyager Observations of Heliospheric and Heliosheath Magnetic Fields from 1 to > 100 AU*
- 11:00 - 11:25 **J. Slavin**, *MESSENGER: Exploring Mercury's Magnetosphere*
- 11:25 - 11:50 *Coffee break*

### Chair: A. Balogh

- 11:50 - 12:25 **J. Buechner**, *Space plasmas - 50 years of investigating a complex system*
- 12:25 - 12:50 **S. Sharma**, *Multispacecraft exploration of the multiscale plasma processes in the Earth's Magnetosphere*
- 12:50 - 12:15 **M. Balikhin**, *Spatio Temporal Modelling and Analysis of Nonlinear Processes Observed in Space Plasma*
- 13:15 - 13:30 **T. Moore**, *50 Years of Observing Space Plasmas*
- 13:30 - 14:45 *Lunch*

### Chair: J. Buechner

- 14:45 - 15:20 **V.Yu. Trakhtengerts, A.G. Demehov**, *Earth magnetosphere as a cyclotron maser*
- 15:20 - 15:45 **V. Semenov**, *Dynamical reconnection and flapping waves in a current sheet*
- 15:45 - 16:10 **M. Fujimoto**, *Japanese Space Plasma Missions in the coming 20 Years*
- 16:10 - 16:25 **H. Malova**, *The instability of current sheets in the Earth's Magnetotail*
- 16:25 - 16:50 *Coffee break*

### Chair: S. Sharma

- 16:50 - 17:15 **D.Shklyar**, *Theoretical investigation into VLF wave processes based on measurements from MAGION 4 and 5*
- 17:15 - 17:30 **T.Burinskaya**, *Thin plasma cavities as a source of AKR*
- 17:30 - 17:45 **J. Blecki**, *Plasma waves observed in the active regions of the Earth's magnetosphere by Polish - Russian instruments in the frame of the international program STEP*
- 17:45 - 18:00 **N.Buzulukova**, *Modeling of the Earth inner magnetosphere and shielding effect properties*
- 18:00 End of the section