

## Session Program

4–6 Nov 2026



## Meeting of Young Astronomers and Astrophysicists - FIKUT NEXTGEN

### *Planetary Systems, Exoplanets, and Habitability*

HUN-REN Wigner Research Centre for Physics  
1121 Budapest, Konkoly-Thege Miklós út 29-33.

## Wednesday 4 November

14:00

### Planetary Systems, Exoplanets, and Habitability

Session | Location: HUN-REN Wigner Research Centre for Physics, 1121 Budapest, Konkoly-Thege Miklós út 29-33.

14:00–14:15 Evolution of photoevaporative disk dead zone

Speaker

Anna Császár

14:15–14:30 Exploring the dust properties of protoplanetary discs in ALMA Bands 1 and 10

Speaker

Botond Máté Marosi

14:30–14:45 Hunting for lightning in protoplanetary disks

Speaker

János Pető

14:45–15:00 Planetary Migration Revisited: Can the Back-Reaction from Solids Flip Disc Torques?

Speaker

András Németh

15:00–15:15

Time-Domain Complementary Science with Ariel: Young Stellar Objects, Debris Discs and Exocomets

Speaker

Nóra Takács

15:15–15:30 Developing a Protocol for establishing the methodology of Lunar Construction

Speaker

Adrija Bhowmick

15:30

## Friday 6 November

09:00

### Planetary Systems, Exoplanets, and Habitability

Session | Location: HUN-REN Wigner Research Centre for Physics, 1121 Budapest, Konkoly-Thege Miklós út 29-33.

09:00–09:15

#### Examining the biological effects of UV-C radiation on *Drosophila melanogaster* in relation to exoplanet habitability around flaring stars

**Speaker**

Veronika Napsugár Csillag

09:15–09:30

#### Modeling liquid water-trapping micro-environments on the Martian surface

**Speaker**

Anna Bognár

09:30–09:45

#### The mystery of Warm Jupiters

**Speaker**

Katalin Nagy

09:45–10:00

#### Introduction to the dynamics of Haumea's ring

**Speaker**

Péter Csernyik

10:00–10:15

#### Chemical effects of low energy ion bombardment on low temperature calcite grains - implications for planetary astrochemistry

**Speaker**

Gergő Lakatos

10:15–10:30

#### Giant Planet Formation and Migration in Protoplanetary Disks Evolving under Viscous Accretion and Magnetically Driven Winds

**Speaker**

István Gergely Hegedüs

10:30