

D5.4 Materials From Summer School



EXOHOST

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Document Control Page

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- Clarification

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1 Introduction

Summer school “Planet Formation and Populations” was organized by UTARTU at Tartu Observatory (Tõravere, Estonia) from September 16 to 20, 2024. Fourteen leading researchers in their field gave lectures on these mutually connected topics, mostly in-person, and a few online. The participants (32 in total) were mostly Ph.D. and M.Sc. students from European universities but also outside of Europe. The agenda of the summer school, including a copious social programme, allowed a lot of time for interaction and communication between lecturers and students.

The summer school was financed by the EU Horizon Europe Twinning project EXOHOST and UK Research and Innovation.

1.1 Agenda

The full programme for the Summer School can also be found on the Summer School website: <https://exoplanets2024.ut.ee/programme/>

Day 1 (16 September 2024)

- 08:20 Bus to Tõravere
- 09:00 Setup and hellos
- 09:30 Lecture 1: Evolution of physico-chemical structure of protoplanetary disks (Peter Woitke & Kundan Kadam)
- 11:00 Break
- 11:30 Lecture 2: Planet formation simulations (Anders Johansen; pre-recorded lecture)
- 13:00 Lunch
- 14:00 Lecture 3: Disk kinematics (Stefano Facchini)
- 15:00 Break
- 15:30 Lecture 4: Stars (Maria Tsantaki)
- 17:00 Networking
- 17:30 Bus to Tartu

Day 2 (17 September 2024)

- 08:20 Bus to Tõravere
- 09:00 Setup
- 09:30 Lecture 5: Exoplanet field overview, characterisation, Ariel Space Mission (Giovanna Tinetti; online)
- 10:30 Break
- 11:00 Lecture 6: The chemical budget of planet-forming material (Maria Drozdovskaya)
- 12:00 Lunch
- 13:00 Lecture 7: Protoplanetary disk hydro models, dust evolution (Farzana Meru)
- 14:00 Break
- 14:30 Tour of Tartu Observatory
- 17:00 Bus to Tartu

Day 3 (18 September 2024)

- 08:20 Bus to Tõravere
- 09:00 Setup
- 09:30 Lecture 8: Introduction to the field, radial velocity surveys (Ansgar Reiners; online)
- 10:30 Break
- 11:00 Lecture 9: Planetary Atmospheres Through Time: Effects of Mass Loss and Thermal Evolution (Daria Kubyshkina)
- 12:00 Lunch
- 13:00 Lecture 10: How do (exo-)planets form? (Bertram Bitsch)
- 14:00 Break
- 14:30 Bus to Tartu
- 16:00 *Optional social programme*: walk to Lodjakoda and barge trip on river Emajõgi

Day 4 (19 September 2024)

- 08:20 Bus to Tõravere
- 09:00 Setup
- 09:30 Lecture 11: Connecting observable protoplanetary disc properties with exoplanet statistics (Olja Panić)
- 10:45 Break
- 11:15 Lecture 12: Exoplanet populations (Aldo Bonomo)
- 12:30 Lunch
- 13:30 Lecture 13: Observations and evolution of planetary orbits (Simon Albrecht)
- 14:45 Break
- 17:00 *Social programme*: walk around Tõravere and dinner at Vapramäe forell
- 21:00 Bus to Tartu

Day 5 (20 September 2024)

- 09:00 Tour of the Old Observatory (in Tartu)
- 10:00 Summary and discussions

1.2 Materials

The slides have been uploaded to UTARTU Owncloud and are accessible to the general public from the EXOHOST Summer School website, under programme (<https://exoplanets2024.ut.ee/programme/>)

Lecture slides can be found here:

- [Lecture slides](#) (EXOHOST Sharepoint; only accessible to project participants)
- [Lecture slides](#) (UTARTU Owncloud; public, available for workshop participants and accessible from the EXOHOST website).

1.3 Participants

The summer school had a total of 32 participants (including 7 from UTARTU, 6 from UCL and 1 from UU). The participant lists can be found in a private folder in the EXOHOST Sharepoint (only accessible to project participants): [Participants \(list with signatures\).pdf](#)

1.4 Photos of the summer school (Photos by Karin Pai)

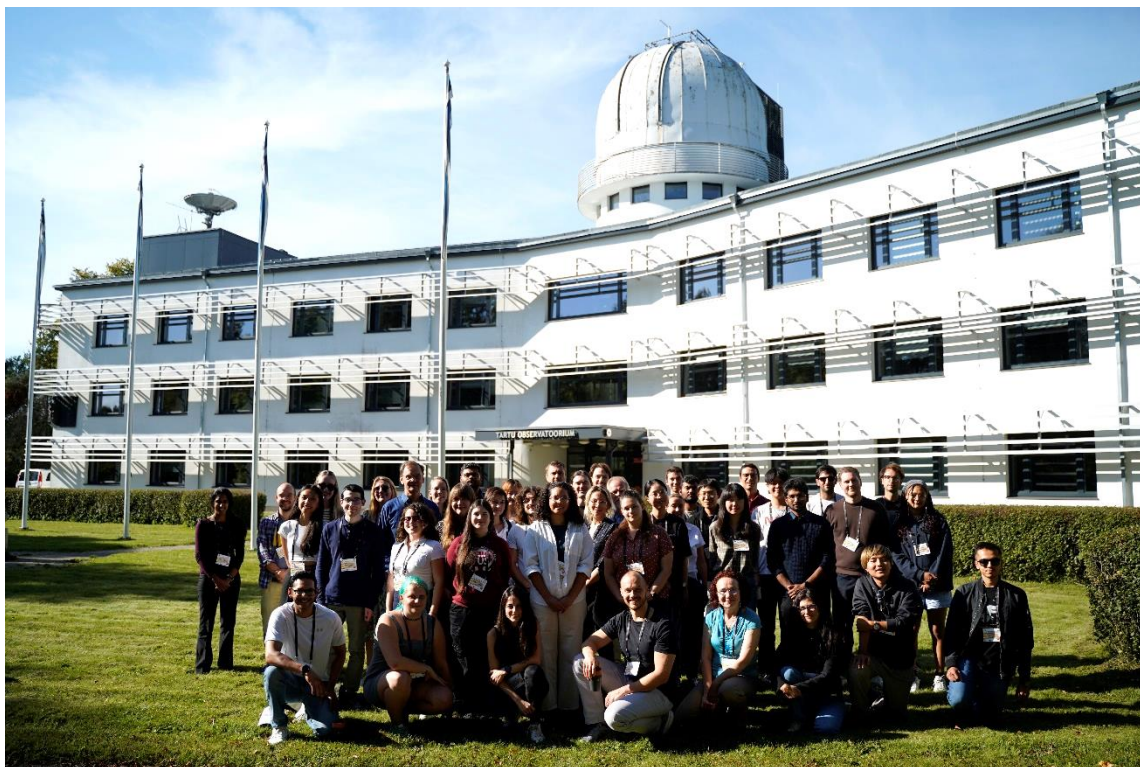


Photo 1. Participants of the summer school.



Photo 2. Participants of the summer school.



Photo 3. Lecture at EXOHOST Summer School.



Photo 4. Dinner at Vapramäe forell.