

Zooming in On Star Formation

In honour of the career of


Åke Nordlund

Niels Bohr Institute, University of Copenhagen, Denmark

ABSTRACT

The conference will focus mainly on star formation but will also cover topics Professor Nordlund contributed to, such as planetary formation & stellar atmospheres.

The conference will take place in the **Vouleftikon building in Nafplio, Greece** that hosted the first parliament of the modern Greek state. It will run from the **10th to the 14th of June 2019**.

Subject headings: follow us on twitter: #starform2019 

1. Topics Covered

Abstracts for oral or poster presentations are welcomed on the following topics:

- Galactic Scale Star Formation
- Formation of Molecular clouds and the origin and characteristics of turbulent motions in molecular clouds and in the interstellar medium
- Fragmentation of clouds, filaments, core mass function, and the origin of the stellar mass function
- High mass star formation, stellar feedback, and the formation of stellar clusters
- Low mass star formation, disk formation, and non-ideal MHD effects

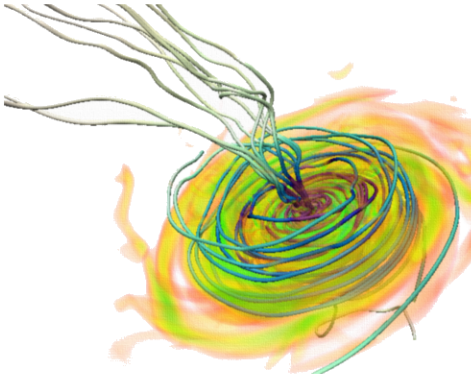


Figure 1: Protostellar disk with jet. The lines indicate a magnetic field. Made in Copenhagen.

- The formation of planets and the Solar system
- Solar/Stellar physics and connections to star formation
- Recent advances in code development for astrophysical fluid dynamics

2. Invited speakers

Uffe Jorgensen (NBI & Starplan, Copenhagen), Diane Cormier (CEA, Saclay), Davide Elia (IAPS-INAF, Rome), Eve Ostriker (Princeton), Hua-bai Li (Chinese University of

Hogn Kong), Paolo Padoan (ICREA & ICC, Barcelona), Philippe Andre (CEA, Saclay), Troels Haugboelle (NBI & Starplan, Copenhagen), Patrick Hennebelle (CEA, Saclay), Sarah Sadavoy (CfA, Harvard), Kengo Tomida (Osaka), Axel Brandenburg (NORDITA, Stockholm), Remo Collet (Stellar Astrophysics Centre, Aarhus University), Bengt Gustafsson (Uppsala), Sylvain Bontemps (Bordeaux), Rolf Kuiper (Tuebingen), Richard Wunsch (Prague), Annie Zavagno (LAM, Marseille), Anders Johansen (Lund), Diego Turrini (IAPS-INAF, Rome), Jonathan Tan (Chalmers), Åke Nordlund (NBI & Starplan, Copenhagen), Jim Stone (Princeton).



Figure 2: Old city of Nafplio, Greece

3. SOC

Sami Dib (*chair*), Doris Arzoumanian, Shantanu Basu, Dimitrios Stamatellos, Romain Teyssier, Thomas Henning, Danae Polychroni, Fumitaka Nakamura, Martin Pessah, Susana Lizano, Di Li, Uffe Jørgensen.

4. LOC

Sami Dib (*co – chair*), Danae Polychroni (*co – chair*), Stella Boula, Martin Pessah, Anette Studsgaard, Marianne Bentsen.