

Zooming in On Star Formation

Vouleftikon building, Nafplio, Greece

10–14 June 2019

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ABSTRACT

The conference is intended to celebrate the rich career of Professor Åke Nordlund and in particular his contributions to the field of star formation with excursions into other fields in which Åke has extensively worked such as the modelling of stellar atmospheres, numerical code development, and more recently his work in the area of planet formation.

Subject headings: #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

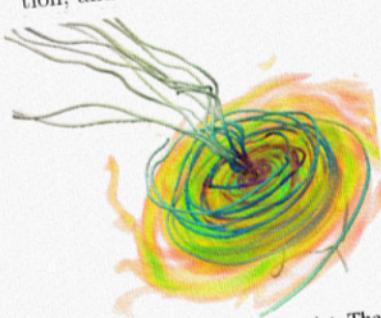


Figure1: Protostellar disk with a jet. The lines indicate the magnetic field. Made in Copenhagen

- 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

<http://www.nbia.dk/nbia-zoomstarform-2019>

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 Hong 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).

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, Marianne Bentsen, Anette Studsgaard.