

# Frontiers of Star Formation

15-17 August 2012, European Space Agency, ESTEC, Noordwijk, The Netherlands

<http://tinyurl.com/frontiers-of-star-formation>



## Abstract

### Invited Speakers

Joana Ascenso  
Guido De Marchi  
Thomas Henning  
Michiel Hogerheijde  
Kate Isaak  
Vera Konyves  
Pavel Kroupa  
Huib Jan van Langevelde  
Michael Meyer  
Mark McCaughrean  
Goran Pilbratt  
Timo Prusti

### L.O.C.

C. Bingham  
M. Riemans  
S. Deby

### S.O.C.

E. Winston  
N. Leigh  
N. Da Rio  
Á. Kóspál  
M. Andersen

Research into the fundamental topic of star formation has come of age in recent years, with the era of major space-based facilities such as Herschel, Chandra, and Spitzer. Such facilities have helped in the investigation of important questions in star formation: the formation and evolution of stellar clusters, effects of cluster environment on the processing of circumstellar material, and recently with Herschel, the relation of core mass to the initial mass function and the filamentary structure of molecular clouds. Yet these puzzles remain unsolved. Future missions will open new avenues of research, and help answer some outstanding questions while providing new topics to pursue.

With Gaia and ALMA coming online in the next two years, JWST planned to replace the current space missions, and SPICA under study, we propose a workshop to discuss these missions and how they will impact future research in the field of star formation.