

FIRST ANNOUNCEMENT

PROTOPLANETARY DISCUSSIONS

John McIntyre Conference Centre, Edinburgh, Scotland

7th – 11th March 2016

NASA/JPL-Caltech

SOC:

Peter Woitke (St Andrews, UK, chair)
Ken Rice (Edinburgh, UK)
François Ménard (IPAG, Grenoble, FR)
Rens Waters (Amsterdam, NL)
Karin Öberg (CfA, Harvard, USA)
Antonella Natta (DIAS, IE)
Eric Herbst (Virginia, USA)
Gregory Herczeg (KIAA/PKU, CN)

LOC:

John Ilee (St Andrews, UK, chair)
Ken Rice (Edinburgh, UK)
Peter Woitke (St Andrews, UK)
Duncan Forgan (St Andrews, UK)
Cassandra Hall (Edinburgh, UK)

Recent observations of protoplanetary discs revealed intriguing and frequent non-symmetric structures including spiral arms, gaps and rings, holes, and warps. These structures are detected in the gas and dust, in scattered light and thermal emission. Identifying their nature, whether they are caused by disc-planet interactions or by other physical processes remains challenging and controversial.

In this conference, we invite observers from all wavelength regimes to share their latest results with modellers from the thermochemical and hydrodynamic communities in order to foster collaboration across this exciting and rapidly expanding field. What observational quantities are essential to constrain the models? How can models help to guide future observational campaigns? What do different wavelength regimes reveal? What are the possible interpretations from hydrodynamic, chemical and radiative transfer modelling? What are the signposts for planet formation?

The conference will consist of invited/contributed talks and posters sessions, but will also include time for participant-led open discussion and collaboration sessions, with the goal of exploring common ground between the communities and discovering new avenues for investigation.



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