

**“Frontiers of Star Formation” Workshop, ESTEC, European Space Agency,  
15-17 August 2012**

**Wednesday 15th August**

Location: Einstein

Session I: Cores & Filaments

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
9:00 - 11:00	Registration / Tour of ESTEC Facilities	
11:00 - 11:20	Introduction	Mark McCaughrean
11:20 - 12:00	<u>Review:</u> Herschel Space Observatory	Göran Pillbratt
12:00 - 12:20	The Barnard 5 Star-forming Core: Embedded Filaments Revealed	Jaime E. Pineda
12:20 - 12:40	Interstellar Filaments: Are They Magnetically Confined?	Kevin Douglas
12:40 - 14:00	Lunch	
14:00 - 14:40	From interstellar filaments to prestellar cores/ protostars	Vera Konyves
14:40 - 15:00	Studying star formation with far infrared interferometry	Locke Spencer
15:00 - 15:20	Mid-infrared interferometry of the massive YSO NGC 2264 IRS 1	Rebekka Grellmann
15:20 - 16:00	<u>Review:</u> Atacama Large Millimeter/submillimeter Array (ALMA)	Michiel Hogerheijde
16:00 - 16:40	Coffee Break	
16:40 - 17:00	Local-density driven clustered star formation	Genevieve Parmentier
17:00 - 17:20	<u>Discussion:</u> Session I	
17:20 - 18:00	Formation and Evolution of Young Stellar Clusters	Michael Meyer

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**Thursday 16th August**

Location: Einstein

Session 2: Clustered Star Formation

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
9:00 - 09:40	<u>Review:</u> Gaia	Timo Prusti
9:40 - 10:00	The VISTA Survey of the Orion Star-forming Region: the NGC2068/NGC2071 clusters	Loredana Spezzi
10:00 - 10:20	The low mass Initial Mass Function in Westerlund I	Morten Andersen
10:20 - 11:00	Coffee Break	
11:00 - 11:40	Recent advances on the stellar initial mass function (IMF)	Pavel Kroupa
11:40 - 12:00	Constraining the birth configuration of massive stars in star clusters with the dynamical ejections of massive stars	Seungkyung Oh
12:00 - 12:20	<u>Review:</u> SPICA Instrumentation	Ana Maria Heras
12:20 - 12:40	<u>Review:</u> SPICA SAFARI Science	Michael Meyer
12:40 - 14:00	Lunch	
14:00 - 14:20	The Three Principles of Multiplicity in Dense Stellar Environments and a New Tool for Dynamical Age-Dating	Nathan Leigh
14:20 - 14:40	PMS stars: from Orion to the Magellanic Clouds	Nicola Da Rio
14:40 - 15:00	A new age scale for pre-main-sequence stars	Tim Naylor
15:00 - 15:20	Multi-wavelength analysis of the stellar contents in three young clusters in H II region environments	Jessy Jose
15:20 - 16:00	<u>Review:</u> James Webb Space Telescope (JWST)	Guido de Marchi
16:00 - 16:40	Coffee Break	
16:40 - 17:00	Clusters within Clusters: RCW 38	Elaine Winston
17:00 - 17:20	Exploring a new age scale for PMS stars with spectroscopy	Darryl Sergistson

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<b>Time</b>	<b>Title</b>	<b>Speaker</b>
17:20 - 18:00	<u>Discussion</u> : Session 2	

**Friday 17th August**

Location: Einstein

Session 3: Evolution of Circumstellar Disks

Session 4: Brown Dwarfs & Exoplanets

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
9:00 - 09:40	<u>Review</u> : Zooming in on star-formation with radio telescopes	Huib Jan van Langveide
9:40 - 10:00	The path of accretion in the young eruptive star EX Lupi	Agnes Kospal
10:00 - 10:20	The Role of Circumstellar Disks in Stellar Angular Momentum Evolution	Claire Davies
10:20 - 11:00	Coffee Break	
11:00 - 11:40	The Gas in Protoplanetary Systems (GASPS) Herschel programme: results and implications	Wing-Fai Thi
11:40 - 12:00	Structural changes in T Tauri disks shown by optical-infrared variability	Peter Abraham
12:00 - 12:20	<u>Discussion</u> : Session 3	
12:20 - 12:40	<u>Discussion</u> : Session 3	
12:40 - 14:00	Lunch	
14:00 - 14:20	<u>Review</u> : European Extremely Large Telescope (E-ELT)	Joana Ascenso
14:40 - 15:00	The origin of misaligned exoplanets explained	Ingo Thies
15:00 - 15:20	Can habitable planets form in clustered environments?	Maria de Juan Ovelar
15:20 - 16:00	<u>Discussion</u> : Session 4 & Round Up	SOC
16:00 - 16:40	End of Workshop	