

# PSF retreat 2014

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Kloster Schöntal, November 12-14, 2014  
Klosterhof 6, 74214 Schöntal

## PROGRAM

### *Wednesday 12.11.2014*

08:30	find the big bus at the parking lot behind Crowne Plaza
08:45	latest departure time of bus (travel: 107 km, 01:45 hours drive)
10:30 - 11:15	Arrival + check-in
11:20 - 11:30	<b>Silvia Scheithauer:</b> Welcome + logistics
11:30 - 12:30	<b>Thomas Henning:</b> <i>Overview of PSF research</i>
12:30	Lunch break
14:00 - 15:15	Session 'Instrumentation' (chair: Jeroen Bouwman)
14:00	<b>S. Scheithauer:</b> <i>JWST MIRI - Performance from Cryo-Vacuum Testing</i>
14:15	<b>O. Krause:</b> <i>The SPICA mission</i>
14:30	<b>H. Linz:</b> <i>IRASSI: a feasibility study for a far-infrared space interferometer</i>
14:45	<b>R. Köhler:</b> <i>Image reconstruction of circumstellar disks with MATISSE</i>
15:00	<b>D. Kopon:</b> <i>The LINC-NIRVANA Pathfinder, Status and Results</i>
15:15 - 15:45	Coffee break
15:45 - 16:15	Session 'PSF coffee discussion' (chair: Amy Stutz)
15:45	<b>C. Deen and R. Teague:</b> <i>How to improve PSF coffee?</i>
16:15 - 17:45	free time; special event: ESA live stream of Philae landing on Comet 67P/Tschurjumow-Gerasimenk will be displayed on projector (landing confirmation expected around 17.00 CET)
17:45 - 19:00	<b>who is who:</b> <i>1-slide self-introductions in 1-minute cadence</i>
19:00	Dinner
>20:00	Free evening

*Thursday 13.11.2014*

08:00 - 09:00	Breakfast
09:15 - 10:00	Session 'ISM / Cosmochemistry' (chair: Hendrik Linz)
09:15	<b>C. Jäger:</b> <i>Ion-induced erosion of carbon grains: Implication of CO and CO<sub>2</sub> formation in molecular clouds and protoplanetary disks</i>
09:30	<b>S. Krasnokutski:</b> <i>Ultra-Low-Temperature Reactions of C(3PJ) Atoms with PAH Molecules in Helium Droplets and in the Interstellar Medium</i>
09:45	<b>G. Rouille:</b> <i>Growth of silicate grains in the ISM: an experimental study</i>
10:00 - 12:00	Session 'Clouds, Cores, and Blobs' (chair: Jouni Kainulainen)
10:00	<b>J. Abreu-Vicente:</b> <i>Relationship between density structure and evolutionary class of molecular clouds</i>
10:15	<b>S. Bihr:</b> <i>THOR - The HI, OH, Recombination Line Survey of the Milky Way - HI observations of the giant molecular cloud W<sub>43</sub></i>
10:30 - 11:15	Coffee Break
11:15	<b>E. Keto:</b> <i>The dynamics of collapsing cores and star formation</i>
11:30	<b>S. Sadavoy:</b> <i>Exploring Core Formation in the Perseus B1-E Clump</i>
11:45	<b>A. Stutz:</b> <i>Protostars and Gas</i>
12:00 - 12:45	Session 'From low to very low mass stars' (chair: Oliver Krause)
12:00	<b>E. Buzzi:</b> <i>Cloud structure of a neighboring brown dwarf binary</i>
12:15	<b>E. Manjavacas:</b> <i>Physical characterization of brown dwarfs</i>
12:30	<b>B. Goldman:</b> <i>Nearby star sample with PS1</i>
12:45	Lunch break
14:00 - 18:30	free afternoon / hiking tour (2h or 3h)
18:30	Dinner
19:30	Wine-tasting (preregistration required; has to be paid individually) / free evening

*Friday 14.11.2014*

08:00 - 09:00	Breakfast
09:00 - 09:45	Session 'Stars: young and old' (chair: Markus Feldt)
09:00	<b>Th. Robitaille:</b> <i>Modeling young stellar objects and forming clusters throughout the Milky Way</i>
09:15	<b>E. Morales:</b> <i>Towards a hierarchical multi-wavelength catalog of Galactic young stellar objects</i>
09:30	<b>M. Nielbock:</b> <i>The FIR variability of AGB stars as witnessed by Herschel</i>
09:45 - 11:45	Session 'Disks' (chair: Dima Semenov)
09:45	<b>R. Teague:</b> <i>DCO+ and HCO+ in DM Tau</i>
10:00	<b>M. Malygin:</b> <i>First maps of thermal relaxation time in vertically isothermal passive disks</i>
10:15	<b>A. Schreiber:</b> <i>Planetesimal Formation via Streaming Instabilities</i>
10:30 - 11:15	Coffee Break
11:15	<b>A. Pohl:</b> <i>Analyzing spiral arms in scattered light images of protoplanetary disks</i>
11:30	<b>A. Gomes:</b> <i>Vortex formation and evolution in discs under thermal relaxation and with a high mass planet embedded</i>
11:45 - 12:30	Session 'Planets I' (chair: Christoph Mordasini)
11:45	<b>P. Molliere:</b> <i>A new code for atmospheric structures and spectral calculations</i>
12:00	<b>M. Schulik:</b> <i>Inflating Hot Jupiters with ohmic dissipation</i>
12:15	<b>S. Ciceri:</b> <i>KOI-1299b: a massive planet in a highly eccentric orbit transiting a red giant</i>
12:30	Lunch break
13:45 - 14:30	Session 'Planets II' (chair: Esther Buenzli)
13:45	<b>T. Kopytova:</b> <i>Chemical abundance as a key to formation scenario of exoplanets</i>
14:00	<b>L. Mancini:</b> <i>The HATSouth project</i>
14:15	<b>Ch. Obermeier:</b> <i>Preliminary Results of Pan-Planets</i>
14:30 - 14:45	Adjourn (Henning)
14:45 - 15:15	Coffee
~15:15	Departure
~17:00 - 17:15	Arrival in Heidelberg