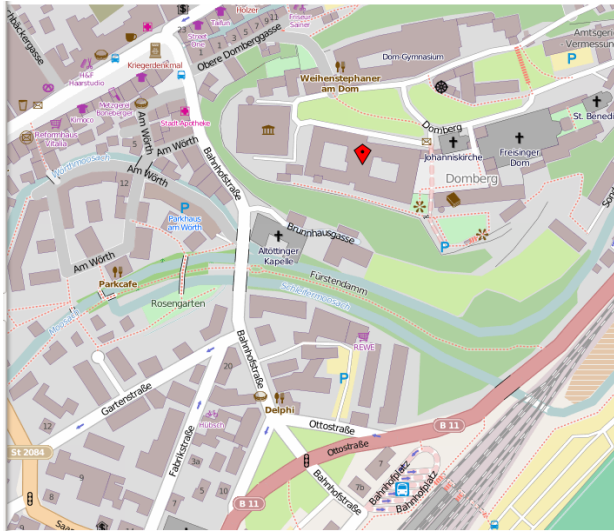


# SITE INFO



**Workshop location:**  
Kardinal-Döpfner-Haus  
Domberg 27  
85354 Freising  
+49 (0)8161 181-0

image credit: openstreetmap.org

## Scientific Organization Committee

Andreas Burkert  
Cornelia Jäger  
Matthias Gritschner  
Ralf Klessen  
Karl Menten  
Sebastian Wolf

## Local Organizing Committee

Matthias Gritschner  
Alessandro Ballone  
Katharina Fierlinger

## Web Page

<http://www.ism-spp.de/conferences/ismspapril2015>



# ISM-SPP Period II Kick-off School/Workshop

April 27<sup>th</sup>-30<sup>th</sup>, 2015

Kardinal-Döpfner-Haus  
Freising

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## MONDAY, APRIL 27<sup>th</sup>

- 12:30 Lunch
- 13:30 **Andreas Burkert (USM/LMU)** ..... (90')  
Lecture: Properties of the ISM
- 15:00 Coffee
- 15:30 **Svitlana Zhukovska (MPIA)** ..... (90')  
Lecture: Dust properties and dust evolution from observations/modeling
- 17:00 **Alessandro Ballone (USM/MPE)** ..... (60')  
Student Meet and Greet
- 18:00 Dinner

## TUESDAY, APRIL 28<sup>th</sup>

- 09:00 **Thomas Giesen (Universität Kassel)** ..... (90')  
Lecture: Molecules in Space
- 10:30 Coffee
- 11:00 **Simon Glover (Universität Heidelberg)** ..... (90')  
Lecture: Chemistry in the ISM
- 12:30 Lunch
- 14:30 **Stefanie Walch (Universität zu Köln)** ..... (90')  
Lecture: The multiphase ISM
- 16:00 Coffee
- 16:30 **Robi Banerjee (Universität Hamburg)** ..... (90')  
Lecture: Star Formation out of the Magnetised ISM
- 18:00 Welcome Banquet (Kardinal Döpfner Haus)

## WEDNESDAY, APRIL 29<sup>th</sup>

- 09:00 **Volker Ossenkopf (Universität zu Köln)** ..... (12'+3')  
Structure analysis from line observations
- 09:15 **Jonathan Mackey (Universität Bonn & Universität zu Köln)** (12'+3')  
Wind bubbles within HII regions around O stars
- 09:30 **Stefanie Walch (Universität zu Köln)** ..... (12'+3')  
SILCC: Simulating the Life-Cycle of molecular Clouds
- 09:45 **Svitlana Zhukovska (MPIA)** ..... (12'+3')  
Ever-changing dust:  
unveiling dust properties across galactic environments
- 10:00 **Sebastian Haid (Universität zu Köln)** ..... (8'+2')  
The evolution of blast waves in turbulent media
- 10:10 **Tobias Röhser (Universität Bonn)** ..... (8'+2')  
Atomic and molecular intermediate-velocity clouds

## WEDNESDAY, APRIL 29<sup>th</sup>

- 10:20 **Annika Franeck (Universität zu Köln)** ..... (8'+2')  
[CII] synthetic emission maps of simulated galactic discs
- 10:30 Coffee
- 11:00 **Sandra Brünken (Universität zu Köln)** ..... (12'+3')  
Probing the interstellar PAH hypothesis in electrodynamic traps
- 11:15 **Melanie Schnell (Universität Hamburg)** ..... (12'+3')  
Chirped-pulse broadband rotational spectroscopy for laboratory astrophysics
- 11:30 **Cornelia Jäger (Friedrich-Schiller-Universität Jena)** ..... (12'+3')  
Dust formation and processing in the ISM
- 11:45 **Pierre Mohr (Friedrich-Schiller-Universität Jena)** ..... (8'+2')  
Laboratory measurements of the far-infrared to millimeter wave dust opacity
- 11:55 **Daniel Lenz (Universität Bonn)** ..... (8'+2')  
A global view on the correlation of dust and gas
- 12:05 **Roxana Chira (ESO)** ..... (8'+2')  
Radiative transfer of dust in star-forming filaments
- 12:15 Lunch
- 14:30 **Thomas Giesen (Universität Kassel)** ..... (12'+3')  
The Bending Vibration of the C<sub>3</sub>-Molecule and its Isotopologues in the Terahertz Region
- 14:45 **Matthias Gritschneider (USM/LMU)** ..... (12'+3')  
Striations, Arcs and Whisps in Numerical Simulations
- 15:00 **Martin Krause (MPE)** ..... (12'+3')  
Deciphering the ISM around the Scorpius-Centaurus OB Association
- 15:15 **Anna Faye Mc Leod (ESO)** ..... (8'+2')  
The Pillars of Creation Revisited with MUSE
- 15:25 **Anna Schauer (Universität Heidelberg)** ..... (8'+2')  
Lyman-Werner Radiation from Primordial Stars and its Influence on the ISM
- 15:35 **Katharina Wollenberg (Universität Heidelberg)** ..... (8'+2')  
Second Generation Star Formation in Primordial Supernova Remnants
- 15:45 Coffee
- 16:15 Future Funding
- 17:05 **Philipp Schneider (USM/LMU)** ..... (8'+2')  
Density Distribution Functions in Molecular Clouds and their Prognostic Power
- 17:15 **Alessandro Ballone (USM/MPE)** ..... (8'+2')  
The evolution and fate of G2: a compact source scenario
- 17:25 **Sara Rezaei Khosbakht (MPIA Heidelberg)** ..... (8'+2')  
Three-dimensional Modeling of Dust in the Milky Way using Gaia
- 17:35 **Daniel Kröll (Universität Bonn)** ..... (8'+2')  
Connecting Hydrogen Shells to Massive-Star Groups
- 18:00 Dinner

## THURSDAY, APRIL 30<sup>th</sup>

- 09:00 **Benjamin Gaczkowski (USM/LMU)** ..... (12'+3')  
Squeezed between shells: The fate of the Lupus I molecular cloud
- 09:15 **Guang-Xing Li (USM/LMU)** ..... (12'+3')  
Studying cloud structure with G-virial method
- 09:30 **Alberto Sanna (MPIfR Bonn)** ..... (12'+3')  
Characterizing the Ionized Gas around Massive Protostars
- 09:45 **Simon Glover (Universität Heidelberg)** ..... (12'+3')  
Multi-wavelength synthetic observations of the ISM
- 10:00 **María Jesús Jiménez (Universität Heidelberg)** ..... (8'+2')  
The Interstellar medium and Star Formation in Nearby Galaxies
- 10:10 **Volker Weiss (TLS Tautenburg)** ..... (8'+2')  
The impact of protostellar outflows on the interstellar matter:  
complementary NIR spectra to CO maps
- 10:20 **Nicolas Guillard (ESO)** ..... (5')  
Nuclear Star Cluster:  
an illustration of scale coupling in dwarfs galaxies
- 10:25 **Neven Tomicic (MPIA)** ..... (5')  
Monte Carlo simulations of galaxy protoclusters in COSMOS sky survey
- 10:30 Coffee
- 11:00 **Timea Csengeri (MPIfR Bonn)** ..... (12'+3')  
The first Galaxy scale hunt for high-mass protostars
- 11:15 **Katharina Fierlinger (USM/TUM)** ..... (12'+3')  
Stellar feedback in GMCs: Winds or SNe?
- 11:30 **Andrea Gatto (MPA)** ..... (8'+2')  
Chemical evolution of the SN-driven ISM:  
the impact of SN positioning
- 11:40 **Anabele-Linda Pardi (MPA)** ..... (8'+2')  
Modelling the Magnetic Field and the Chemistry Evolution of the ISM
- 11:50 **Maximilian Eisenreich (MPA)** ..... (8'+2')  
The influence of AGN feedback on the ISM in early-type galaxies
- 12:00 **Aaron Bryant (Universität Stuttgart)** ..... (8'+2')  
Latest results from FIFI-LS on small Irregular Galaxies
- 12:15 Lunch
- 14:30 **Harald Mutschke (Friedrich-Schiller-Univ. Jena)** ..... (12'+3')  
The submillimeter emissivity of crystalline water ice
- 14:45 **Sunil Kumar Sudhakaran (MPI für Kernphysik)** ... (12'+3')  
Toward Gas-phase Spectroscopy of C<sub>60</sub><sup>+</sup>
- 15:00 **Ke Wang (ESO)** ..... (12'+3')  
Large scale filaments associated with Milky Way spiral arms