



**Astronomische Gesellschaft**

Annual Meeting and General Assembly

**Zooming in: The Cosmos at High Resolution**

universität**bonn**



MAX-PLANCK-GESELLSCHAFT

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## Star Clusters and Stellar Evolution

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A splinter meeting in the framework of the  
Annual Meeting of the Astronomische Gesellschaft

Bonn, 13 - 17 September 2010

<http://www.astro.uni-bonn.de/AG2010/>

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## Splinter Programme

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14 September 2010 (14h30-18h30)

15 September 2010 (14h30-18h30)

<http://www.astro.uni-bonn.de/AG2010/CLU.html>

### Splinter SOC

- Geneviève Parmentier (Bonn-AIfA)
- Siegfried Röser (Heidelberg-ARI)
- Michael Hilker (ESO)
- Thibaut Decressin (Bonn-AIfA)

## Practical Information

### Your presentations

- Please bring your own laptop to present your slides.
- Talk durations are 15-min long. **Please, stick onto that duration to preserve time for questions, comments, as well as the discussion session at the end of the day.**
- Please, **do use units which are meaningful to everybody**. Whenever appropriate: observers, convert *arcsec* in *pc*; modellers: convert *N-body units* in relevant *physical units*.

### Meeting output

We kindly ask you to prepare a pdf file of your presentation. During the meeting, we will collect it so as to create a repository of all presentations.

**In case of cancellation**, please inform us asap – **especially if you are a speaker**. This will allow us to re-allocate your slot either to the discussion time or to a poster presenter.

Programme as on 2 August 2010,  
on behalf of the SOC,  
Dr. Geneviève Parmentier

## Programme

Tuesday 14 September [14h30-18h30]

Session Chair: *Susanne Pfalzner* (Köln)

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14h30 **Welcome Address:** *Geneviève Parmentier*

14h35 *Soeren Larsen* (Utrecht)

**Invited Review:** Star clusters: (not so) simple stellar populations

15h15 *Esteban Silva-Villa* (Utrecht)

Relation between field stars and star clusters in nearby galaxies

15h35 **Coffee Break and Poster Viewing**

16h00 *Selma de Mink* (Bonn-AIfa)

Multiple populations in globular clusters: interacting binaries and stellar rotation

16h20 *Thomas Kaczmarek* (Köln)

The massive binary population in young dense star clusters

16h40 *Maria Messineo* (ESA)

Young massive stellar clusters in the Milky Way: Quartet, GLIMPSE9 and C11813-178 clusters

17h00 *Andrea Stolte* (Bonn-AIfa)

The orbital motion of Galactic center starburst clusters

17h20 *Wolfgang Brandner* (Heidelberg-MPIA)

Astrometry of Galactic spiral arm starburst clusters: membership, dynamics & mass function

17h40 *Elena Schilbach* (Heidelberg-ARI)

The Hyades revisited - membership, NIR luminosity function and more.  
Based on data from the PPMXL catalogue

18h00 **Discussion Session** - Discussion leader: *Maria Messineo* (ESA)

18h30 **End of Splinter First Afternoon**

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19h00 **General Assembly**

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**Wednesday 15 September [14h30-18h30]**

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Please also note, as part of the Plenary Session :

14h00 *Sarah Martell* (Heidelberg-ARI)

**Highlight Talk:** Light-element abundance variations in globular clusters

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Session Chair: *Elena Schilbach* (Heidelberg-ARI)

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14h30 *Susanne Pfalzner* (Köln)

The two massive cluster sequences

14h50 *Manuel Steinhausen* (Köln)

Effects of the disc-mass distribution in star-disc encounters

15h10 *Christoph Olczak* (MPIA)

The diversity of young star cluster dynamics

15h30 **Coffee Break and Poster Viewing**

16h00 *Moritz Hackstein* (Bochum)

The sub-stellar population of the Orion nebular cluster

16h20 *Geneviève Parmentier* (Bonn-AIfA)

The puzzle of the cluster-forming core mass-radius relation, and why it matters

16h40 *Vasilii Gvaramadze* (Sternberg-Moscow)

On the origin of very massive runaway stars

17h00 *Sambaran Banerjee* (Bonn-AIfA)

On the structure of tidally disrupted star clusters: the "dark remnants"

17h20 *Thorsten Lisker* (Heidelberg-ARI)

Exploring evolutionary links between nuclear star clusters and ultra-compact dwarf galaxies

17h40 *Jörg Dabringhausen* (Bonn-AIfA)

Is the stellar initial mass function in ultra-compact dwarf galaxies top heavy?

18h00 **Discussion Session** - Discussion leader: *Siegfried Röser* (Heidelberg-ARI)

Which points from this meeting will you bring back home ?

Where do we go for the next step ?

Ideas for the next 'Star Clusters' meeting in Germany ?

18h30 **End of Splinter Meeting**

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19h00 **Conference Dinner**