

**Sunday 31.7.**

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- 16:00-20:00 Registration (Foyer, Stadthalle)  
18:00-22:00 Welcome reception (Foyer, Stadthalle)

**Monday 1.8.**

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- 09:00-10:00 Registration  
10:00-10:15 **Conference organizers: Welcome address**  
**Session 1: Population III stars: formation, IMF, stellar multiplicity, and rotation**  
**Chair: TBD**
- 10:15-10:30 Daniele Galli: Honoring the contributions of Francesco Palla (1954-2016)  
10:30-11:10 Takashi Hosokawa: Population III stars (invited review)  
11:10-11:30 Michael Norman: Late Pop. III star formation during the epoch of reionization  
11:30-11:50 Jennifer Schober: Generation of strong magnetic fields during formation of the first stars  
11:50-12:00 Poster presentations  
12:00-14:00 **Lunch break**
- 14:00-14:20 Tomoaki Ishiyama: Where are the low-mass Pop. III stars?  
14:20-14:40 Piercarlo Bonifacio: A local perspective of Pop. III star formation from the TOPoS project  
**Session 2: Stellar evolution and nucleosynthesis in metal-free and metal-poor stars**  
**Chair: TBD**
- 14:40-15:20 Sylvia Ekström: Stellar evolution (invited review)  
15:20-15:50 **Coffee break**
- 15:50-16:30 Alexander Heger: Nucleosynthesis (invited review)  
16:30-16:55 Alexander Ji: The r-process dwarf galaxy Reticulum II (highlight talk)  
16:55-17:15 Timothy Beers: Constraints on the r-process from halo r-II stars  
17:15-17:35 Benjamin Wehmeyer: Galactic chemical evolution of the r-process elements  
17:35-17:45 Poster presentations  
17:45-22:00 **Poster viewing**

**Tuesday 2.8.****Session 3: The transition to second-generation star formation****Chair:** TBD

- 09:00-09:40 Raffaella Schneider: The transition to second-generation star formation (invited review)
- 09:40-10:00 Britton Smith: Ab initio simulations of the first metal-enriched stars
- 10:00-10:20 Dominik Schleicher: Formation of the metal-poor stars SDSS J1029 and SMSS J0313
- 10:20-10:50 **Coffee break**
- 10:50-11:10 Luca Graziani: The role of feedback in regulating star formation through cosmic times
- 11:10-11:20 Poster presentations

**Session 4: Formation of primordial galaxies and observations of the high z Universe****Chair:** TBD

- 11:20-12:00 Volker Bromm: Theory of formation of the first galaxies (invited review)
- 12:00-14:00 **Lunch break**

- 14:00-14:40 Nick Gnedin: Cosmic reionization and background radiation (invited review)
- 14:40-15:20 Ross McClure: Observations of the first galaxies (invited review)
- 15:20-15:45 Jarrett Johnson: Pop. III galaxies and accreting BHs (highlight talk)
- 15:45-16:05 Anna Schauer: Lyman-Werner UV escape fractions from primordial haloes and galaxies
- 16:05-16:35 **Coffee break**
- 16:35-16:55 Andrea Pallottini: Cosmic metal-enrichment by the first galaxies
- 16:55-17:15 Erik Zackrisson: Pop. III stars at extreme magnification
- 17:15-17:35 John Wise: Physical and observable predictions for the first galaxies
- 17:35-17:45 Poster presentations
- 19:00-20:30 Public talk by Volker Bromm (Alte Aula der Universität Heidelberg)

**Wednesday 3.8.****Session 5: The first supernovae, and gamma-ray bursts****Chair:** TBD

- 09:00-09:40 Carla Fröhlich: The first supernovae, and gamma-ray bursts (invited review)
- 09:40-10:05 Ken'ichi Nomoto: Superluminous SNe: their models and first-star connection (highlight talk)
- 10:05-10:25 Thomas Nordlander: Implications for Pop. III SNe from 3D-NLTE analysis of Keller's star
- 10:25-10:45 Daniel Whalen: Finding the first cosmic explosions
- 10:45-10:50 Poster presentations
- 10:50-11:00 **Conference photo in front of the Stadthalle**
- 11:00-18:00 **Lunch break/excursions**
- 19:00-23:00 **Conference dinner at Restaurant Molkenkur**

**Thursday 4.8.****Session 6: Formation, growth and feedback of supermassive black holes at high  $z$** **Chair:** TBD

09:00-09:40	Priya Natarajan: Formation, growth and feedback of SMBHs (invited review)
09:40-10:00	Rosa Valiante: From the first stars to the first black holes
10:00-10:20	Mark Dijkstra: Observational signatures of direct collapse black holes
10:20-10:50	Coffee break
10:50-11:10	Simon Glover: Forming black holes by direct collapse: what determines the critical UV flux?
11:10-11:30	Kohei Inayoshi: Hyper-Eddington accretion flows onto massive black holes
11:30-11:50	Edwige Pezzulli: Super-Eddington growth of the first black holes
11:50-12:00	Poster presentations
12:00-14:00	Lunch break

**Session 7: Galactic archaeology and metal-poor stars in the local Universe****Chair:** TBD

14:00-14:40	Stefania Salvadori: The local fossils of the first stars and galaxies (invited review)
14:40-15:20	Anna Frebel: Dwarf galaxies (invited review)
15:20-15:45	Lyudmila Mashonkina: NLTE abundance analysis of Milky Way satellites (highlight talk)
15:45-16:15	Coffee break
16:15-16:55	David Yong: Galactic metal-poor stars (invited review)
16:55-17:15	Gary DaCosta: The SkyMapper search for extremely metal-poor stars
17:15-17:35	David S. Aguado: Follow-up observations of EMP stars identified in SDSS and LAMOST
17:35-18:00	Ian Roederer: Observations of neutron-capture element abundances (highlight talk)
18:00-18:10	Poster presentations
18:10-22:00	Poster viewing

**Friday 5.8.**

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- 09:00-09:25 Louise Howes: Metal-poor stars in the Galactic bulge (highlight talk)
- 09:25-09:45 Sarah Martell: Globular clusters and galaxy assembly: results from APOGEE
- 09:45-10:10 Ryan Cooke: Metal-poor damped Lyman alpha systems (highlight talk)
- 10:10-10:30 **Poster award ceremony and talk of the poster prize winner**
- 10:30-11:00 **Coffee break**
- Session 8: Future surveys and observational facilities**  
**Chair: TBD**
- 11:00-11:30 Sofia Feltzing: Wide-angle spectroscopic surveys (invited talk)
- 11:30-12:00 Andreas Korn: Gaia (invited talk)
- 12:00-14:00 **Lunch break**
- 14:00-14:30 Jean-Gabriel Cuby: Euclid (invited talk)
- 14:30-15:00 Asantha Cooray: WFIRST (invited talk)
- 15:00-15:30 Massimo Stiavelli: JWST (invited talk)
- 15:30-16:00 **Coffee break**
- 16:00-16:30 Robert Braun: SKA (invited talk)
- 16:30-17:00 Michele Cirasuolo: E-ELT (invited talk)
- 17:00-17:30 Rebecca Bernstein: GMT (invited talk)
- 17:30-17:45 **Conference organizers: Farewell address**