

West-Baltic Meeting on Computational and Theoretical Astrophysics

Programme May 4 & May 5, 2017

Thursday

		Speaker	Institute	Moderator
10:30-11:50	Breakfast and check-in			
11:50-12:00	Welcome	Troels Haugbølle		
12:00-12:20	Magnetic fields in Star Formation	Robi Banerjee	Hamburg	Sebastian Wolf
12:20-12:40	Nucleosynthesis and the electromagnetic signature of binary neutron star mergers	Meng-Ru Wu	Copenhagen	
12:40-13:00	First light emerging from the clouds	Manuel Jung	Hamburg	
13:00-14:40	Lunch Break			
14:40-15:00	Bright points in the solar atmosphere	Klaus Galsgaard	Copenhagen	Troels Haugbølle
15:00-15:20	Carbon, nitrogen and oxygen abundances in the light of 3D surface convection simulations of late-type stars	Remo Collet	Aarhus	
15:20-15:50	Presentation Round	Everybody		
15:50-16:20	Coffee Break			
16:20-16:40	DISPATCH: A new, exa-scale simulation framework for star and planet formation	Jonathan Ramsey	Copenhagen	Robi Banerjee
16:40-17:00	Radiative Transfer and Tabular Equations-of-State in DISPATCH	Åke Nordlund	Copenhagen	
17:00-17:20	Tracing the formation of stars and planets: Development of dedicated radiative transfer simulations	Sebastian Wolf	Kiel	
17:20-17:40	Line and continuum radiative transfer simulations: From magnetic fields to polarization	Robert Brauer	Kiel	
17:40-19:30	Free time			
19:30	Dinner			

Friday

		Speaker	Institute	Moderator
08:00-09:00	Breakfast			
09:00-09:20	Toward realistic simulations of magneto-thermal disk winds	Oliver Gressel	Copenhagen	Klaus Galsgaard
09:20-09:40	Numerical oversteepening in self-gravitating disks	Jannes Klee	Kiel	
09:40-10:00	Observability of binary-induced structures in circumbinary disks	Roman Avramenko	Kiel	
10:00-10:20	Inertial angular momentum transport and numerical simulations of circumbinary accretion disks	Tobias Illenseer	Kiel	
10:20-10:50	Coffee Break and check-out			
10:50-11:10	The ODYSSEE project: finding invisible objects in the outer solar system	Marcel Völschow	Hamburg	Günter Houdek
11:10-11:30	N-body simulations of stellar clusters	Guido Moyano Loyola	Lund	
11:30-11:50	Large scale gravitational instabilities in galactic disks and the origin of the star formation laws	Sami Dib	Copenhagen	
11:50-12:10	Dust microphysics at work in star-forming regions	Tommaso Grassi	Copenhagen	
12:10-12:30	Concluding remarks and discussion	Troels Haugbølle		
12:30-13:30	Lunch			
14:00	End of meeting			

All talks are 15 minutes + 5 minutes for questions and discussion

Presentation round: stand up and tell what you do and who you are