

12:00-12:30 Morning arrival. Bus transport from train station.
13:00-14:30 Lunch and check-in
14:30-16:30 Session 1

THEORY AND INSTRUMENTATION

14:30 Mylläri: Symbolic dynamics in the three-body problem
14:50 Käpylä: Convection-driven dynamos in spherical wedge geometry
15:10 Snellman: The effect of shear and rotation on the Reynolds stresses in hydrodynamic turbulence
15:30 Wiik: Introduction to interferometry for Finnish astronomers
15:50 Mäkitalo: Optimal inversion of the Anscombe transformation in the low-count Poisson image denoising
16:10 Foi: Optimized filtering framework for digital imaging sensors

16:30-17:00 Coffee
17:00-19:00 FAS annual meeting & discussion
19:00-21:00 Dinner
21:00-> Free time

2nd day

8:00-10:00 Breakfast
10:00-12:20 Session 2

GENERAL

10:00 Rastorgueva: What does a doctoral student want: our vision of supervision
10:20 Liljeström: Popularising astronomy

THE SOLAR SYSTEM

10:40 Battarbee: Coronal shock acceleration of protons and minor ions in self-generated turbulence
11:00 Zubko: Interpretation of spectral photo-polarimetric observations of Comet 17P/Holmes on October-November of 2007
11:20 Veikkolainen: A comparison between the magnetic properties of Earth and Mars
11:40 Salo: Saturn's rings: our local laboratory of gravitational dynamics
12:00 Halme: Dynamical and photometric simulations of propeller features in Saturn's A ring

12:20-13:50 Lunch
13:50-15:10 Session 3

BINARY STARS AND COMPACT OBJECTS

13:50 Katajainen: Polarization observations using ESO telescopes & instruments
14:10 Savolainen: Seeking a unified model of neutron star low-mass X-ray binaries
14:30 Somero: VLT spectroscopy of X1822-371
14:50 Kajava: Evidence for a varying disc-magnetosphere coupling in the accreting millisecond pulsar SAX J1808.4-3658

15:10-15:40 Coffee

15:40-16:40 BRUNO LEIBUNDGUT

16:40-17:00 Presentation of posters (4 minutes / one transparency each)

Annala: Constraining the compactness and magnetic field geometry of X-ray pulsars using statistics of pulse profiles

Koljonen: A new approach to the disk/jet connection in the enigmatic microquasar Cygnus X-3

Pasechnik: Lidov-Kozai resonance in the relativistic case

Veledina: Spectral formation in the vicinity of supermassive black holes

Ysard: Galactic cold cores with Planck and Herschel

17:00- Poster session (coffee, snacks, champagne)

19:00-> Sauna & dinner

3rd day

8:00- 9:00 Breakfast

9:00-10:30 ESO Center presentation and discussion

10:30-12:10 Session 5

STARS AND THE MILKY WAY

10:30 Flynn: Where is the matter and where is the light

10:50 Datson: Search for the best solar twin in the Geneva Copenhagen survey

11:10 Rautiainen: Life near outer Lindblad resonance

11:30 Korhonen: Investigating stellar surface structures using VLTI infrared interferometry

11:50 Portinari: The helium content in globular clusters and in nearby stars

12:10-13:40 Lunch

13:40-15:20 Session 6

EXTRAGALACTIC SOURCES

13:40 Lähteenmäki: Planck satellite – we've got data!

14:00 Bird: The inner halo of M87: a first direct view of the red-giant population

14:20 Tammi: Non-jet flares in AGNs: signatures from loading of the jet?

14:40 Valtonen: Jet-disk connection in the Sunyaev-Zeldovich alpha-disk model in OJ 287

15:00 Kotilainen: Co-evolution of black holes and galaxies

15:20-15:50 Closing remarks

15:50 Departure