

Programme Nederlandse Astronomen Conferentie 2009

Wednesday May 13

11.15 – 12.00 **Registration** (continues in afternoon)

12.00 – 13.30 **Lunch**

13.50 – 14.00 **Opening NAC 2009**

Session I

14.00 – 14.30 C. Aerts: Probing Stellar Physics and Testing Stellar Evolution through Asteroseismology

14.30 – 14.45 P. Degroote: The Beta Cephei star HD 180642: analysis and interpretation of the CoRoT light curve

14.45 – 15.00 R. Rutten: The solar chromosphere

15.00 – 15.15 I. Brott: Rotational mixing in Magellanic Cloud O and B stars

15.15 – 15.30 R. Navarro: NOVA-ASTRON optical – infrared instrumentation

15.30 – 16.00 **Coffee, tea / Registration / Check-in hotel / posters**

16.00 – 16.15 F. Helmich: Herschel/HIFI: mission, technology and science

16.15 – 16.30 I. Kamp: Protoplanetary Disks with Herschel: line diagnostics

16.30 – 16.45 R. Visser: A new CO photodissociation model applied to circumstellar disks

16.45 – 17.00 M. Hogerheijde: Resolved molecular hydrogen emission near the young star DoAr21

17.00 – 17.15 M. Rodenhuis: First-Light Observations of Protoplanetary Disks with the Extreme Polarimeter

17.15 – 17.30 P. Groot: Results from the European Galactic Plane Surveys

17.30 – 18.00 **Registration / Check-in hotel**

18.00 – 19.30 **Dinner**

20.00 – 21.00 **Historic Tour Breakfast Abbey (4 x 25p)**

20.00 – 02.00 **Cellar Bars**

21.30 – 22.15 **Movie: Spiral Galaxy, de melkweg ontrafeld**

Thursday May 14

07.30 – 09.00 **Breakfast**

Session II

09.00 – 09.30 E.P.J. van den Heuvel: 10 years of NOVA as Top Research School and its importance for Dutch astronomy

09.30 – 09.45 K. Öberg: The formation of complex molecules in circumstellar ices

- 09.45 – 10.00 J. Bouwman: VUV induced chemistry in PAH containing interstellar ice analogues
- 10.00 – 10.30 **Coffee, tea / posters**
- 10.30 – 11.15 J. McEnery: A new view of the high-energy gamma-ray sky with the Fermi Gamma-ray Space Telescope
- 11.15 – 11.30 P. Soleri: X-ray jets from the X-ray binary Cir X-1
- 11.30 – 11.45 A. Patruno: Probing standard accretion theory with accreting pulsars
- 11.45 – 12.00 A. Watts: Firestorms and starquakes: the dangerous life of a neutron star
- 12.00 – 13.30 **Lunch**
- 13.30 – 15.30 **Outdoor activities**
- 15.30 – 16.00 **Coffee, tea with Limburgse vlaai / posters**

Session III

- 16.00 – 16.15 H. Hoekstra: A look at the dark side: weak lensing by large scale structure
- 16.15 – 16.30 M. Haas: Physical properties of simulated galaxies from varying input physics
- 16.30 – 16.45 F. Maschietto: Tracing Protoclusters at High Redshift
- 16.45 – 17.00 V. Jelic: CMB-EoR cross-correlation study
- 17.00 – 17.15 D. Groen: Simulating the universe on an intercontinental grid of supercomputers
- 17.15 – 17.30 S. Portegies Zwart: The lost siblings of the Sun
- 18.00 – 19.30 **Dinner**
- 19.45 **Poster prizes**
- 20.00 **Evening Lecture:** prof. dr. Frits Rosendaal (Leiden University Medical Centre) : Air travel and thrombosis: experiments at 10,000 meter altitude and on the South pole
- 21.00 – 02.00 **Afterglow in cellar bars**

Friday May 15

- 07.30 – 09.00 **Breakfast / Checkout hotel**
- Session IV**

- 09.00 – 09.30 H. Falcke: From black holes to ultra-high energy cosmic rays
- 09.30 – 09.45 E. Helder: Measuring the cosmic ray acceleration efficiency of a supernova remnant
- 09.45 – 10.00 D. Kosenko: X-ray spectroscopy of LMC supernova remnants

10.00 – 10.30 **Coffee / tea**

10.30 – 10.45 V. Tudose: Aql X-1 and its identity problems

10.45 – 11.00 R. Overzier: The co-evolution of black holes and starbursts at low and high redshift

11.00 – 11.15 R. Scheepmaker: The resolved cluster formation efficiency in M51

11.15 – 11.30 M. Brentjens: Preparing (for) LOFAR

11.30 – 11.45 W. Frieswijk: Allegro: the ALMA Local Expertise Group

11.45 – 12.00 G. Nelemans: Gravitational wave astrophysics

12.00 **Closing remarks**

12.00 – 13.30 **Lunch**

13.30 & 14.15 **Bus departure**