

Scientific program

[YERAC home](#) | [List of participants](#)

Sunday, September 14

14:00 - 22:00 Registration
19:00 Dinner

Monday, September 15

8:00 Breakfast
9:00 **Prof. Józef Maslowski** (Director of the Astronomical Observatory of the Jagiellonian University) – Welcome address
9:15 **Heiko Hafok** – The new KOSMA 3m radio telescope
9:30 **Eduardo Gonzalez-Solares** – Radio sources in ELAIS areas
9:45 **Yury Romanchev** – Radiophysical complexes for cosmic investigations based on Ukrainian radio telescope URAN-3
10:00 **Leszek Blaszkiewicz** – The present status of spectral observations in Torun Radio Astronomy Observatory
10:15 **Aznaur Botashev** – Observations of the sample sources from PMN catalogue on RATAN-600 radio telescope
10:30 **Svetlana Veselkova** – VLBI S/X Cryoreceivers Research Results
10:45 **Vladimir Frolov** – S2 VLBI-correlator TISS-1M software
11:00 Coffee
11:30 **Wendy Lane** – Preliminary results of a Westerbork Survey for moderate redshift HI 21 cm absorption in MgII selected systems
11:45 **Noelle Daly** – Mapping solar wind structure with interplanetary scintillation
12:00 **Vincent de Heij** – On unravelling the kinematic structure of Galactic infrared cirrus
12:15 **Csaba Kiss** – Multiwavelength studies of Khavtassi 15
12:30 **Vincent Minier** – Methanol survey of the Northern Galactic plane
12:45 **Karl Joulain** - Chemistry in dissipative structures of interstellar turbulence
13:00 Lunch
15:00 – 17:00 Visit to the Jagiellonian University, meeting with the university authorities, visit to the Jagiellonian University Museum (*Collegium Maius*)
17:00 - 19:30 Visit to the Astronomical Observatory
19:30 Dinner

Tuesday, September 16

8:00 Breakfast
9:00 **Prof. Richard Wielebinski** - The development of radio astronomy from metre to sub-millimetre wavelengths (invited lecture)
9:45 **Indra Bains** - Continuum observations of young planetary nebulae
10:00 **Sona Ehlerová** – Numerical simulations of expanding shells

- 10:15 **Tomasz Kobak** – Cosmic ray acceleration in a 3D magnetic field reconnection volume with turbulence
- 10:30 **Ruslan Shalashov** – To the question of solving reverse problems in multifrequent polarimetric studies of interstellar medium
- 10:45 **Ramachandran Rajagopalan** – Modelling scattering in the interstellar medium - distances to pulsars
- 11:00 Coffee
- 11:45 **Kirill Semenov** – Simulation of interstellar scattering effects from compact radio sources
- 12:00 **Tatyana Kaltman** – 3-dimensional modelling of solar microwave radio sources of slowly varying component
- 12:15 **Vera Medar** – Radio observations of the Coronal Holes with the RATAN-600 radio telescope
- 12:30 **Carla Buemi** – Radio emission from closed binary systems
- 12:45 **Sarah Watson** – MERLIN observations of symbiotic novae
- 13:00 Lunch
- 14:20 **Fabrice Herpin** – On the origin of the high velocity SiO maser emission from late-type stars
- 14:35 **Volodymyr Koshoviy** – The restoration of the large scale image of Cas A in decametre waveband
- 14:50 **Bryan Jacoby, Wojciech Lewandowski and Malgorzata Redmerska** – Timing and scintillation observations of pulsars with the TCfA 32-m radio telescope
- 15:15 **Artem Dzura** – The observations of methanol quasi-maser emission from star-forming regions at 95 GHz
- 15:30 **Alexander Rodin** – Astronomical time scale based on the orbital motion of pulsar in binary system
- 16:00 Bus departure for city centre
- 17:00 – 18:30 **Prof. Aleksander Wolszczan** – Planety wokół innych slonc (Planets of other suns), public lecture in Polska Akademia Umiejetnosci, ul. Slawkowska (in Polish)
- 19:00 Dinner

Wednesday, September 17

- 8:00 Breakfast
- 9:00 **Prof. Aleksander Wolszczan** – Applications of pulsar timing (invited lecture)
- 9:45 **Olaf Maron** – Why is Geminga pulsar radio quiet at higher frequencies?
- 10:00 **Oleg Malov** – Observations of Geminga as a radio pulsar
- 10:15 **Alastair McD. Stirling** – Cygnus X-1, more interesting than we thought?
- 10:30 **Jürgen Zweigle** – CO synthesis images of a dense torus in the Butterfly nebula M 2-9
- 10:45 **Carmen Sánchez Contreras** – The asymmetric bipolar flow and the rich molecular content of the protoplanetary nebula OH231.8+4.2
- 11:00 Coffee
- 11:30 **Linda Schmidtbreick** – UV-Photometry of dark clouds in The Milky Way
- 11:45 **Victoria Morozova** – Statistical properties of interstellar HI clouds
- 12:00 **Bülent Uyaniker** – The local magnetic field in the Milky Way based on 21 cm polarisation mapping
- 12:15 **Thomas Fritz** – HI synthesis observations of dwarf galaxies in the Centaurus Group
- 12:30 **Fabian Walter** – The violent interstellar medium of the dwarf galaxy IC 2574
- 12:45 **Robert Rohde** – Dynamo induced magnetic fields in spiral galaxies
- 13:00 Lunch
- 14:30 **Stephen Curran** – Confirmation of the molecular ring structure in the Circinus galaxy

- 14:45 **Ilse van Bemmel** – Nature of the Far-Infrared Emission in 3C47, 3C207 and 3C334
- 15:00 **Julia Hutchison** – The Magnetic Field Structure of the Jet in Quasar 4C71.07
- 15:15 **Pekka Heinamaki** – Black hole ejections from galaxy nuclei
- 15:30 Coffee
- 16:00 Bus departure for city centre
- Prof. Richard Wielebinski** – Niewidzialny Wszechswiat, czyli co i jak “widza” radioastronomowie (The invisible Universe - what does radio astronomy contribute to our knowledge of the Universe), public lecture in Polska Akademia Umiejetnosci, ul. Slawkowska (in Polish)
- 17:00 – 18:30
- 19:00 Conference dinner (in the city centre)**

Thursday, September 18

- 8:00 Breakfast
- 9:00 **Prof. Marek Urbanik** – Radio emission from normal galaxies – a key to understand the cosmic magnetism (invited lecture)
- 9:45 **Jacek Niezgoda** – What Are The Gigahertz Peaked-Spectrum Radio Sources?
- 10:00 **Marco Pedani** – Search for ultra steep spectrum radio sources from a new low-frequency survey
- 10:15 **Izabela Owsianik** – First detection of hotspot advance speed in a Compact Symmetric Objects
- 10:30 **Michael Thierbach** – X-ray properties of three clusters of galaxies and their implications for the Sunyaev-Zeldovich effect
- 10:45 **Dmitry Krivitsky** – Quasars in a merger model: comparison with the observed luminosity function
- 11:00 Coffee
- 11:30 **Keith Baxter** – A new model for galactic structure based upon Percolating Star Formation
- 11:45 **Bong Won Sohn** – Polarisation properties of radio galaxies: First sample - 5 low luminosity radio galaxies and 2 giant radio galaxies
- 12:00 **Marek Jamrozy** – Cosmological evolution of extragalactic radio sources
- 12:15 **Yuri Dabrowski** – Invisible clusters and CMB decrements
- 12:30 **Marek Gierlinski** – Why X-rays are better than radio waves
- 13:00 Lunch
- 15:00 – 18:30 Trip to Wieliczka Salt Mine Museum
- 19:00 Dinner
- 20:00 – 20:10 **Krzysztof Chyzy** – Closing remarks

Friday, September 19

- 8:00 Breakfast