

Programme

44th Young European Radio Astronomers Conference

8-12 September 2014, Toruń - Poland

Monday, September 8			
18:00 – 21:00	Registration & Welcome Reception @ the B&B Hotel		
Tuesday, September 9			
Opening			
0	9:00 – 9:05	Magdalena KUNERT – BAJ-RASZEWSKA	Welcome & RadioNET Info
1	9:05 – 9:30	Krzysztof KATARZYŃSKI	Our Radio Astronomy Observatory
1st session on AGNs, chair – Magdalena Kunert-Bajraszewska			
2	9:30 – 9:50	Filippo MACCAGNI	What triggers a radio AGN? The role of the neutral hydrogen in young radio sources.
3	9:50 – 10:10	Emilia JÄRVELÄ	Statistical multifrequency study of Narrow-Line Seyfert 1 galaxies
4	10:10 – 10:30	Emma KUN	Spinning supermassive black hole binaries at the base of extragalactic jets
10:30 – 11:00	Coffee break		
2nd session on AGNs, chair – Krzysztof Katarzyński			
5	11:00 – 11:20	Maciej CEGŁOWSKI	BALQSO phenomenon as a hybrid scenario of orientation and evolutionary schemes
6	11:20 – 11:40	Alessandro MAINI	AGN component in Deep Radio Fields
7	11:40 – 12:00	Timur MUFAKHAROV	Investigation of the BL Lac objects with the RATAN-600 radio telescope. Introducing the RATAN-600 multi-frequency catalogue.
8	12:00 – 12:20	Brenda NAMUMBA	Evolution of cold gas in active galaxies
12:30 – 14:00	Lunch break		
1st session on radio spectroscopy, chair – Anna Bartkiewicz			
9	14:00 – 14:20	Sara CUADRADO	Millimeter molecular line survey of the Orion Bar PDR: Small hydrocarbon molecules.
10	14:20 – 14:40	Hoai DO THI	The multi-scale environment of RS Cnc from CO and HI observations
11	14:40 – 15:00	Antonio DÍAZ-PULIDO	Observations of 'thermal' SiO emission at $\lambda=7\text{mm}$ ($v=0, J=1-0$) from AGB stars
12	15:00 – 15:20	Enrique GARCIA	Thermal CO, ^{13}CO and H_2O emission in "Water Fountain" stars from Herschel/HIFI observations
15:30 – 16:00	Coffee break		
2nd session on radio spectroscopy, chair – Paweł Wołak			
13	16:00 – 16:20	Elisabeth KUENZL	Molecular line spectroscopy and extinction mapping of dense cores in a nearby molecular cloud
14	16:20 – 16:40	Alicia LÓPEZ JIMÉNEZ	Detection of organic molecules towards a massive star forming region
15	16:40 – 17:00	Luis Henry QUIROGA-NUNEZ	EVN observations of maser polarization in the massive star-forming region IRAS22272+6358A
16	17:00 – 17:20	Aleksandra WOŁOWSKA	Variability of the methanol maser 94.602-1.796

Wednesday, September 10**Joint session on radio spectroscopy and galaxy clusters, chair – Bartosz Lew**

17	9:00 – 9:20	Karina SKIRMANTE	The first results of OH spectrum lines detection from the dwarf planet Ceres with Irbene RT32
18	9:20 – 9:40	Volker WEISS	The radio show of proto-stellar outflows
19	9:40 – 10:00	Jakob GELSZINNIS	Radio Halos and Radio Relics as Tracers of Merging Galaxy Clusters
20	10:00 – 10:20	Christopher RISELEY	The Diffuse Radio Emission of Galaxy Cluster Abell 3667

10:30 – 11:00 **Coffee break****Joint session on AGNs and galaxies, chair – Marcin Gawronski**

21	11:00 – 11:20	Quentin SALOME	3C 285: a nearby galaxy with jet-induced star formation
22	11:20 – 11:40	OLUWASOGO OGUNG-BENRO	Rotation Measure Distribution in Compact Steep-Spectrum Sources
23	11:40 – 12:00	Flor ALLAERT	The relation between gas, dust and total mass in edge-on spiral galaxies
24	12:00 – 12:20	Sho NAKAMURA	A new HLL approximate Riemann solver for magnetohydrodynamics including Cosmic-Ray effects

12:30 – 14:00 **Lunch break****14:00 – 22:00 Visit to our Observatory**

	14:00	–	Bus from B&B hotel to the Toruń Centre for Astronomy in Piwnice
	14:30 – 15:00	–	Cake and coffee
25	15:00 – 16:00	Andrzej Kus	History of the Radio Astronomy in Toruń
	16:00 – 16:05	–	Award ceremony for the winners of our Quiz
	16:05 – 17:30	–	Excursion to the Observatory
	17:30 – 21:00	–	BBQ party
	21:00	–	Return to the hotel

Thursday, September 11**Session on pulsars, chair – Anna Bartkiewicz**

26	9:00 – 9:20	Elena NIKITINA	The structure of the magnetosphere of radio pulsars with interpulses
27	9:20 – 9:40	Natalia LEWANDOWSKA	Radio Giant Pulses
28	9:40 – 10:00	Anastasiia SKORYK	Detection of a Fine Structure of the Pulsar J0953+0755 decametric radio emission
29	10:00 – 10:20	Karolina ROŻKO	The effects of thermal absorption on the observed pulsar radio spectra
10:30 – 11:00		Coffee break	

Session on various radio techniques, chair – Paweł Wołak

30	11:00 – 11:20	Khan Muhammad Bin ASAD	Systematic effects in the polarimetric observations of radio interferometers
31	11:20 – 11:40	Sayan BASU	VLBI imaging of Deep South ICRF sources
32	11:40 – 12:00	Michael TARR	Detecting the signal of shear by weak lensing in the radio UV plane
33	12:00 – 12:20	Luke JEW	C-BASS: The C-Band All Sky Survey
12:30 – 14:00		Lunch break	

Session on specific radio sources, chair – Krzysztof Katarzyński

34	14:00 – 14:20	Christoph RAUCH	NIR triggered phase referencing of the Galactic Center radio source SgrA* at 43 GHz
35	14:20 – 14:40	Pfesesani Victoria VAN ZYL	Radio & Gamma-ray correlation of the blazar PKS1424-418 during its flaring state
36	14:40 – 15:00	Frederic JARON	Radio characteristics of LS I +61°303
37	15:00 – 15:20	Grzegorz RYCYK	Trigonometric parallax of AM Herculis
15:20 – 15:40		Coffee break	

The last session, chair – Magdalena Kunert-Bajraszewska

38	15:40 – 16:00	Anatoly GLYANTSEV	Velocities of interplanetary coronal mass ejections from interplanetary scintillation observations
39	16:00 – 16:20	Victor M. RIVILLA	Short- and long-term radio variability of young stars in the Orion nebula cluster and molecular cloud
40	16:20 – 16:40	Rafał SARNIAK	Software correlator in VLBI and general idea of Baltic Interferometer
41	16:40 – 17:00	Yaroslav NAIDEN	Correlation Properties of the CMB and SDSS at Different Redshifts

Summary & Conclusions – LOC

18:00 – 19:30 **Visit to the Gingerbread Museum: www.muzeumpiernika.pl**

Friday, September 12 – Departure

more info at: <http://yerac2014.astro.uni.torun.pl>