

# RadioNet Science Workshop

## The Central Kiloparsec: Active Galactic Nuclei and Their Hosts

<b>4. June</b>	<b><u>SESSION 1: A synthetic picture of active galactic nuclei</u></b> <i>Chair:</i>
09:00 - 09:10	Opening remarks
09:10 - 09:50 <b>Julian Krolik</b>	Central regions in AGN
09:50 - 10:30 <b>Thierry Courvoisier</b>	A synthetic picture of AGN
10:30 - 10:50 <b>Sara Buttiglione</b>	A spectroscopic study of the 3CR sample of radio galaxies
10:50 - 11:10 <b>Tigran Arshakian</b>	Jet-BLR connection in 3C390.3
11:10 - 11:30	<b>Coffee break</b>
	<b><u>SESSION 2: Vicinity of supermassive black holes</u></b> <i>Chair:</i>
11:30 - 12:10 <b>Max Camenzind</b>	Vicinity of SMBH
12:10 - 12:30 <b>Mohammad Zamaninasab</b>	NIR and X-ray flare emission from Sgr A*
12:30 - 12:50 <b>Markos Georganopoulos</b>	How close to the black hole does most of the jet energy dissipation happens?
12:50 - 13:10 <b>Andrei Lobanov</b>	Vicinity of SMBH probed by high-resolution radio observations
13:10 - 14:30	<b>Lunch</b>
	<b><u>SESSION 3: Accretion: disks and inflows</u></b> <i>Chair:</i>
14:30 - 15:10 <b>Andrew King</b>	Accretion disks in AGN
15:10 - 15:30 <b>Ladislav Subr</b>	SMBH feeding and star formation in massive accretion disks.
15:30 - 15:50 <b>Isabelle Gavignaud</b>	Eddington ratios of faint AGN at intermediate redshift...
15:50 - 16:10 <b>Almudena Prieto</b>	The central few parsecs region of AGN in the IR
16:10 - 16:40	<b>Coffee break</b>
	<b><u>SESSION 4: Stars and gas in the nuclear region</u></b> <i>Chair:</i>
16:40 - 17:20 <b>Hagai Netzer</b>	Gas, dust and starburst in the central kpc
17:20 - 17:40 <b>Martin Gaskell</b>	Dust and gas in the inner regions of AGN
17:40 - 18:00 <b>Christian Struve</b>	Centaurus A: Neutral Hydrogen close to the nucleus
18:00 - 18:20 <b>Hagai Perets</b>	The origin and dynamical evolution of the young stars in the central of the Galaxy
<b>5. June</b>	<b><u>SESSION 5: Disk-outflow connection and molecular dusty torus</u></b>
09:00 - 09:40 <b>Moshe Elitzur</b>	Disk-outflow connection and molecular dusty torus
09:40 - 10:00 <b>Marc Schartmann</b>	Turbulent AGN tori
10:00 - 10:20 <b>Frank Israel</b>	Physical conditions of central molecular gas concentrations
10:20 - 10:40 <b>Catherine Buchanan</b>	Unveiling the nature of Seyfert galaxies with 1-100 micron SED
10:40 - 11:10	<b>Coffee break</b>
	<b><u>SESSION 6: Relativistic jets and the nuclear region</u></b> <i>Chair: A. Lobanov</i>
11:10 - 11:50 <b>Nektarios Vlahakis</b>	Relativistic jets and nuclear regions
11:50 - 12:10 <b>Yuri Kovalev</b>	Physics of central several parsecs in the quasar 0850+581
12:10 - 12:30 <b>Iván Agudo</b>	Jet in 3C120
12:30 - 12:50 <b>Martin Krause</b>	Jets and multi-phase turbulence
12:50 - 14:30	<b>Lunch</b>
	<b><u>SESSION 7: AGN feedback</u></b> <i>Chair:</i>
14:30 - 15:10 <b>Fabrizio Nicastro</b>	AGN feedback
15:10 - 15:30 <b>Koulouridis Elias</b>	The local environment of low-z Seyfert and BIRG galaxies
15:30 - 15:50 <b>Paramita Barai</b>	Anisotropic AGN Outflows Filling The Cosmological Volume
15:50 - 16:10 <b>Masatoshi Imanishi</b>	Luminous buried AGNs in luminous IR galaxies and the origin of galaxy downsizing
16:30	<b>Social event (tbd.)</b>
20:00	<b>Conference dinner</b>
<b>6. June</b>	<b><u>SESSION 8: Sub-relativistic outflows and extended regions</u></b> <i>Chair:</i>
09:00 - 09:40 <b>Clive Tadhunter</b>	Sub-relativistic outflows in AGN
09:40 - 10:00 <b>David Axon</b>	Winds and disks - a new understanding from spectropolarimetry
10:00 - 10:20 <b>David Rosario</b>	Radio-jet driven outflows in Seyfert galaxies
10:20 - 10:40 <b>Francisco Montenegro-Montes</b>	Compact radio-loud broad absorption line quasars
10:40 - 11:10	<b>Coffee break</b>
	<b><u>SESSION 9: SMBH and their galactic hosts</u></b> <i>Chair:</i>
11:10 - 11:50 <b>Marta Volonteri</b>	SMBH and their galactic hosts
11:50 - 12:10 <b>Dan Batchelder</b>	The Mbh-sigma project
12:10 - 12:30 <b>Alessandro Marconi</b>	Estimating BH masses from 0 to high redshift
12:30 - 12:50 <b>Nicola Bennert</b>	Fueling QSOs: The relevance of mergers
12:50 - 14:30	<b>Lunch</b>

14:30 - 15:10 **Dave Merritt**  
 15:10 - 15:30 **Stelios Kazantzidis**  
 15:30 - 15:50 **Lucio Mayer**  
 15:50 - 16:10 **Massimo Dotti**  
 16:10 - 16:40

**SESSION 10: Binary supermassive black holes in AGN** *Chair:*

Binary black holes in galactic nuclei  
 Formation of SMBH binaris in hydrodynamical galaxy mergers  
 Orbital decay of SMBH in dissipational minor and major mergers  
 Dynamical evolution of binary black holes

**Coffee break**

**SESSION 11: Co-evolution of SMBH and AGN** *Chair:*

16:40 - 17:20 **Andrea Merloni**  
 17:20 - 17:40 **Alejo Martinez-Sansigre**  
 17:40 - 18:00 **Andreas Schulze**  
 18:00 - 18:20 **Giuseppe Lodato**  
 18:20 - 18:40 **Thierry Courvoisier**

Co-evolution of SMBH and AGN  
 Using SMGs to test the unified scheme for high-redshift quasars  
 The mass function of local active black holes  
 Formation and evolution of massive black hole seeds at high redshift  
 Conference Summary

**Posters**

Poster No.	Sessic No.	Presenting Author	Title
1	1	<b>Mercedes Filho</b>	Interferometric imaging of nearby AGN
2	1	<b>Cristina Ramos Almeida</b>	Spectral Energy Distributions of a Hard X-ray Selected AGN Sample in the Extended
3	1	<b>Emmanouil Angelakis</b>	Radio spectra of Intermediate luminosity broad line radio galaxies
4	3	<b>Serhij Silich</b>	The impact of young stellar clusters on spherically-symmetric accretion flows
5	4	<b>Dragana Ilic</b>	The Broad Line Region in Mrk 668 and NGC 4151: An Outflow Model
6	4	<b>Stefan Harfst</b>	Stars in the Central Parsec
7	4	<b>Stephen Curran</b>	Where is Cold Neutral Gas in the Hosts of High Redshift AGN?
8	4	<b>Natasha Maddox</b>	Investigating Broad Absorption Line Quasars with SDSS and UKIDSS
9	4	<b>Carlos Rodriguez-Rico</b>	H53alpha line observations of the SSC in NGC5253
10	5	<b>Konrad Tristram</b>	Resolving the dusty cores of nearby AGN with mid infrared interferometry
11	6	<b>Jonathan Leon-Tavares</b>	Radio-optical Study of Double-Peaked AGNs. I. 3C 390.3
12	6	<b>Manuel Perucho Pla</b>	The origin of a major flare/ejection in a broad-line radio galaxy
13	6	<b>Alexander Pushkarev</b>	Testing adiabatic expansion of shocks in parsec-scale jets...
14	6	<b>Mar Roca-Sogorb</b>	Helical magnetic field effects in relativistic jets
15	7	<b>Jose Ramirez</b>	Physics and kinematics of the X-ray absorber in the BAL QSO APM 08279+5255
16	7	<b>César Caretta</b>	Galaxy Activity Influenced by the Environment in the Cluster of Galaxies A85
17	8	<b>Andrea Ruff</b>	Quasar wind models
18	8	<b>Bernd Husemann</b>	Integral field spectroscopy of low-z quasars and Seyfert galaxies
19	9	<b>Yannick Letawe</b>	Understanding the relations between QSOs and their host galaxies...
20	9	<b>Nina Nowak</b>	Supermassive black holes in low-mass bulges and pseudobulges
21	9	<b>Seungyoup Chi</b>	AGNs and starbursts in the HDF-N and HFF : deep, global VLBI observations
22	9	<b>Francesca Panessa</b>	The X-ray and radio connection in nearby Seyfert galaxies
23	9	<b>Angela Bongiorno</b>	Type II AGN in the zCOSMOS sample
24	9	<b>David Floyd</b>	Probing the emission region with anomalous flux QSO's.
25	9	<b>Jong-Hak Woo</b>	Cosmic evolution of black holes and spheroids in the last 6 billion years
26	9	<b>Silvia Tommasin</b>	Seyfert Galaxies in the Local Universe
27	10	<b>Dharam Vir Lal</b>	Nature of X-shaped sources
28	10	<b>Simone Callegari</b>	Pairing of SMBH in unequal mass mergers
29	10	<b>Andrei Lobanov</b>	Nuclear activity driven by binary SMBH
30	11	<b>Deborah Dultzin</b>	Activity Induced by interaction in mixed morphology (E+S) pairs