

Program

Day 1 - Monday, 15 April

09:00 Marcello Giroletti Logistics

09:05 Tiziana Venturi Welcome

Session 1 - EHT results and related Eating VLBI activities

09:10 Mareki Honma (Invited) Black hole observations with EHT and EAVN

09:30 Elisabetta Liuzzo (Invited) First results of EHT observations and related Eating VLBI activities.

09:50 Guangyao Zhao (Invited) Multi- λ VLBI view of Sgr A*

10:10 Evgeniya Kravchenko (Oral) Locating the region of TeV gamma-ray emission in radio galaxy M87

10:25 Yuzhu Cui (Oral) EAVN observations along with EHT for M87 in 2017

10:40 *Coffee break*

Session 2 - Blazars: VLBI & MWL-MM connection

11:10 Jongho Park (Invited) Faraday Rotation in the Jet of M87 Inside the Bondi Radius: Indication of Winds from Hot Accretion Flows Confining the Relativistic Jet

11:30 Carolina Casadio (Oral) The magnetic field structure in CTA 102 from high-resolution mm-VLBI observations during the flaring state in 2016-2017

11:45 Jee Won Lee (Oral) Multi-wavelength study of flares in S5 0716+714

12:00 Rocco Lico (Invited) Physical and statistical properties of High Frequency Peaked blazars

12:20 Filippo D'Ammando (Oral) The gamma-ray properties of a sample of low-redshift BL Lacs

12:35 Hongmin Cao (Oral) Blazars with VLBI - along the way from the local Universe to the highest redshifts

12:50 Giacomo Principe (Oral) The first catalog of Fermi-LAT sources below 100 MeV

13:05 *Lunch*

Session 3 - Misaligned sources: young radio sources, FROs, giant radio galaxies

14:20 Alessandro Capetti (Invited) Exploring the properties of FRO radio galaxies

14:40 Ranieri Diego Baldi (Oral) The multi-frequency radio properties of FRO radio galaxies

14:55 Xiaopeng Cheng (Invited) VLBI observations of FRO radio galaxies

15:15 Giulia Migliori (Invited) Radio and high energy properties of young radio sources

15:35 Hiroshi Nagai (Oral) Circumnuclear Region of NGC 1275 Probed by VLBI and ALMA Observations

15:50 Paola Castangia (Oral) Extragalactic water masers and VLBI: the case of IRAS 15480+0534

16:05 *Coffee break*

Session 4 - Results from recent EATING VLBI observations of AGNs

16:30 Kazuhiro Hada (Invited) Results from recent EATING VLBI observations (I)

16:50 Bong Won Sohn (Invited) The results from recent EATING VLBI observations of AGNs (II)

Session 5 - Star formation, stellar evolution

17:10 Tomoya Hirota (Invited) Progress of Italy-Japan collaboration on high-mass star-formation studies

17:30 Luca Moscadelli (Invited) The POETS survey

Day 2 - Tuesday, 16 april

Session 6 - Transients: GW and GRBs, microquasars, and more

09:00 Giancarlo Ghirlanda (Invited) Gamma Ray Bursts: studying relativistic jets in the radio band

09:20 Jun Yang (Invited) Surprises in the VLBI Observations of Radio Transients

09:40 Marta Burgay (Invited) Pulsars and Fast Radio Bursts as probes of fundamental physics

10:00 Jeong-Sook Kim (Invited) Flaring Activity of Microquasar Cygnus X-3 and the Prospect of Wide-band recording observation in KVN, VERA and KaVA

10:20 Elise Egron (Oral) Single-dish and VLBI observations of the microquasar Cyg X-3

10:35 *Coffee break*

Session 7 - Arrays and coordination

11:00 Govoni Federica (Invited) Status of the radio astronomical facilities in Italy

11:20 Zhiqiang Shen (Invited) Status of the East-Asian VLBI Network (EAVN)

11:40 Taehyun Jung (Invited) Simultaneous multi-frequency mm-VLBI activities in East Asia and the Extended-KVN project

12:00 Liu Xiang (Oral) Urumqi 26m telescope and research activity

12:15 Maria Rioja (Oral) Astrometric VLBI in the SKA Era

12:30 Richard Dodson (Oral) Advances in Source Frequency Phase Referencing

12:45 *Lunch*

14:30 *Departure for social trip and dinner*

Day 3 - Wed, 17 April

09:00 Federica Govoni (Invited) Latest news about funding applications

Session 8 - Receivers, dishes, backends, correlators & connection to industries

09:10 Alessandro Orfei (Invited) Developments towards 3 mm range at the Italian radio telescopes

09:30 Kotaro Niinuma (Oral) Development of NRO 3mm VLBI system

09:45 Andrea Melis (Oral) Digital acquisition systems at Italian Radio Telescopes: status and ongoing development

10:00 Kazi Rygl (Oral) CASA for VLBI

Session 9 - VLBI clock timing

10:15 Takefuji Kazuhiro (Invited) Wide bandwidth synthesis on Italy and Japan baseline

10:35 Monia Negusini (Invited) VLBI for Time & Frequency applications

Session 10 - Outreach

10:55 Stefania Varano (Invited) Astronomy beyond

11:15 *Coffee break*

11:45 Splinter workshops - small group meetings

12:45 Closing remarks

13:00 *Lunch*

14:30 Splinter workshops - small group meetings (optional)

List of posters

Rusen Lu: VLBI imaging the jet launching region in M87

Oh Junghwan: Double nuclear structure discovered in 3C84





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