

PRELIMINARY PROGRAMME FOR THE 10th EVN SYMPOSIUM

Draft as of 7th September 2010

Monday 20th September

14:00 – 16:30 Registration
 Held in the foyer of Manchester Conference centre

Tuesday 21st September

SESSION 0: WELCOME

08:50 – 09:00 **Simon Garrington**
 Welcome and opening remarks

09:00 – 09:15 **Tiziana Venturi**
 Overview of the EVN and its capabilities

SESSION 1: Stars young and old

Chair:

09:15 – 09:30 **Huib van Langevelde**
 The magic of disc-worlds: non-rotating methanol masers

09:30 – 09:45 **Anna Bartkiewicz**
 Studies of methanol maser rings

09:45 – 10:00 **Jose-Maria Torrelles**
 A wide-angle outflow with the simultaneous presence of a high-velocity jet in the
 high-mass Cepheus A HW2 system

10:00 – 10:15 **Anita Richards**
 Maser observations - from the kinematics to the physics of evolved star winds.

10:15 – 10:30 **Sandra Etoka**
 OH eruptive event in Mira Ceti

10:30 – 11:00 **MORNING COFFEE**

Chair:

- 11:00 – 11:15 **Stephen Bourke**
VLBI observations of binary brown dwarf systems
- 11:15 – 11:30 **Tim O’Brien**
MERLIN radio imaging of the gamma-ray nova V407 Cyg
- 11:30 – 11:45 **Jaime Pineda**
Low mass star-formation and ALMA
- 11:45 – 12:00 **Leonid Matveyenko**
Early cycle of matter in active region of star formation, AGN objects
- 12:00 – 12:30 **Richard Porcas**
A history of the EVN
- 12:30 – 14:00 **LUNCH**

SESSION 2: Nearby galaxies and low luminosity AGN

Chair:

- 14:00 – 14:15 **Ken Kellermann**
The twin features in NGC 1275
- 14:15 – 14:30 **Marco Bondi**
EVN observations of the binary black-hole candidate SDSS J1536+0441
- 14:30 – 14:45 **Michael Garrett**
Unravelling the nature of Hanny’s Voorwerp
- 14:45 – 15:00 **Carole Mundell**
Radio quiet AGN in the time domain - A new observational dimension
- 15:00 – 15:15 **Antxon Alberdi**
The sub-parsec structure of the nuclear region of the LIRG NGC 7469
- 15:15 – 15:30 **Stefanie Mühle**
How warm is the molecular gas in active environments?
- 15:30 – 16:00 **AFTERNOON TEA**

Chair:

- 16:00 – 16:15 **John Morgan**
Wide-field VLBI techniques: A Beginner’s Guide
- 16:15 – 16:30 **Megan Argo**
Wide-field imaging of M31 - first results

- 16:30 – 16:45 **Anastasios Tzioumis**
VLBI progress down under - First VLBI with ASKAP and NZ
- 16:45 – 17:00 **Simon Garrington**
e-MERLIN
- 17:00 – 17:15 **Hans-Rainer Klöckner**
Goonhilly a new site for e-MERLIN
- 17:15 – 17:30 **Pedro Augusto**
A VLBI antenna at the island of Madeira
- 17:30 – 17:45 **Alexander Neidhardt**
Interacting with radio telescopes in real-time during VLBI sessions using e-control
- 17:45 – 18:00 **Martin Ettl**
SysMon - a robust and flexible remote monitoring system for VLBI and more

Wednesday 22nd September

SESSION 3: Star-formation and Accretion at High redshift

Chair:

- 09:00 – 09:15 **Enno Middelberg**
Finding AGN with wide-field VLBI observations
- 09:15 – 09:30 **Tom Muxlow**
Future high resolution radio studies of GOODS-N:
e-MERGE – an e-MERLIN Legacy project
- 09:30 – 09:45 **Elisabetta Liuzzo**
Parsec-scale properties of brightest cluster galaxies
- 09:45 – 10:00 **Filomena Volino**
High resolution strong gravitational lensing: MG J0414+0534
- 10:00 – 10:15 **Roger Deane**
High resolution observations of the gravitationally lensed,
 $z=2.3$ starburst/AGN galaxy IRAS F10214
- 10:15 – 10:30 **Olga Zhelenkova**
MERLIN and EVN observations of a $z=4.515$ radio galaxy,
RC J0311+0507, and the problem of SMBHs in the early Universe
- 10:30 – 10:45 **Sandor Frey**
The most distant radio quasars at the highest resolution
- 10:45 – 11:00 **John McKean**
LOFAR: Early imaging results from commissioning
- 11:30 **Coaches to JBO**

AFTERNOON AT JBO, including EVN Users' Meeting

13:00 **LUNCH AT JBO**

14:00– 14:15 **Bob Campbell**
 e-VLBI and Other Developments at the EVN MarkIV Data Processor at JIVE

14:15– 14:30 **Arpad Szomoru**
 NEXPreS

EVN users' Meeting

14:30– 14:35 **Tiziana Venturi**
 Welcome

14:35– 15:00 **News for the Users**
 News from the TOG **M. Lindqvist, OSO**
 Calibration/Pipeline issues **J. Yang, JIVE**
 Use of NorthStar **B. Campbell, JIVE**

15:00– 16:00 **Feedback from the users and open discussion**
 Final remarks **R. Porcas, MPIfR, Bonn**

16:00 – **Drinks & Tours of Observatory**

16:30 **One coach to leave for football match**

Traditional EVN symposium football match

Second coach direct to Swettenham Arms for conference dinner

Thursday 23rd September 2010

SESSION 4: Extreme Astrophysics

Chair:

- 09:00 – 09:15 **Gabriele Bruni**
Morphology and orientation of radio-loud Broad Absorption Line quasars
- 09:15 – 09:30 **Marcin Gawronski**
High resolution studies of Broad Absorption Lines radio-loud quasars
- 09:30 – 09:45 **Rusen Lu**
Multi-frequency VLBI studies of the optically violent variable quasar NRAO530
- 09:45 – 10:00 **Chin-Shin Chang**
The broadband emission properties of AGN jets
- 10:00 – 10:15 **Monica Orienti**
Steep spectrum sources and the duty cycle of the radio emission
- 10:15 – 10:30 **Eoin Murphy**
Gleaning secrets from the transverse profiles of AGN jets
- 10:30 – 10:40 **Shahram Amiri**
A low frequency feed for big reflector Antenna
- 10:40 – 11:00 **MORNING COFFEE**

Chair:

- 11:00 – 11:15 **Marios Karouzos**
Blazar kinematics reloaded: Jet ridge line properties and evolution in the CJF
- 11:15 – 11:30 **Andrea Reichstein**
Studying magnetic fields in several parsec-scale AGN jets using Faraday rotation
- 11:30 – 11:45 **Nadia Kudryavtseva**
Polarization structure and variability of the BL Lac object S4 0954+658
- 11:45 – 12:00 **Colm Coughlan**
First results from 18-22cm VLBA polarisation observations of the MOJAVE-I AGNs
- 12:00 – 12:15 **Marcello Giroletti**
e-EVN monitoring of M87
- 12:15 – 12:40 **Martin Hardcastle**
Jets & Radio Galaxies – e-MERLIN Legacy project (Title: TBC)
- 12:40 – 14:00 **LUNCH**

Chair:

- 14:00 – 14:15 **Vladimir Kostenko**
The RadioAstron mission – Final prelaunch stage
- 14:15 – 14:30 **Vincent Fish**
Observing event horizons with high-frequency VLBI
- 14:30 – 14:45 **Shep Doeleman**
Building an event horizon telescope: (sub)mm VLBI in the ALMA era
- 14:45 – 15:10 **Rob Fender**
LOFAR and LOFAR:UK
- 15:10 – 15:25 **Olaf Wucknitz**
e-VLBI with LOFAR
- 15:25 – 16:00 **AFTERNOON TEA**

SESSION 5: Astrophysics of Transient Sources

Chair:

- 16:00 – 16:15 **Rob Beswick**
An unusual new transient radio source in M82: new supernova, AGN or XRB?
- 16:30 – 16:45 **Andreas Brunthaler**
The expansion of SN2008iz in M82
- 16:45 – 17:00 **Danielle Fenech**
VLBI Monitoring of the most compact sources in M82
- 17:00 – 17:15 **Michael Bietenholz**
Radio Imaging of SN1993J: The Story Continues
- 17:15 – 17:30 **Miguel Perez-Torres**
Arp 299A: More than "just" a prolific supernova factory
- 17:30 – 17:45 **Fabien Batejat**
Compact source resolution and rapid variability in Arp220

Friday 24th September 2010

SESSION 5: Astrophysics of Transient Sources (Cont)

Chair:

- 09:00 – 09:15 **Valeriu Tudose**
An outburst of SS 433 observed on milliarcsecond scale
- 09:15 – 09:30 **Anthony Rushton**
VLBI constraints on the "jet line" of Cygnus X-1
- 09:30 – 09:45 **Javier Moldon**
VLBI morphological variability of LS 5039 and its birth place

SESSION 6: Astrometry, Geodesy and Planetary Science

Chair:

- 09:45 – 10:00 **Hirota Tomoya**
Astrometry of H₂O maser sources in nearby star-forming regions with VERA
- 10:00 – 10:15 **Yoshiharu Asaki**
Distance and proper motion measurement of the Red Supergiant, S Persei,
with VLBI H₂O Maser astrometry
- 10:30 – 10:45 **Patrick Charlot**
Towards an accurate alignment of the VLBI frame with the future Gaia optical frame
- 10:45 – 11:15 **MORNING COFFEE**
- 11:15 – 11:30 **Ed Fomalont**
Spacecraft navigation using the VLBA
- 11:30 – 11:45 **Guiseppe Cimo**
Planetary radio interferometry and doppler experiment with EVN radio telescopes

SESSION 7: The Future

Chair:

- 11:45 – 12:10 **Robert Laing**
ALMA status and future prospects (Title : TBC)
- 12:10 – 12:25 **Tony Foley**
A report on KAT-7 and MeerKAT status and plans
- 12:25 – 12:50 **Richard Schilizzi**
SKA status and future prospects (Title : TBC)

12:50 – 13:15 **TBA**
The Future of the EVN (Title : TBC)

13:15 – **Ralph Spencer**
Conference Summary

LUNCH

— **END OF CONFERENCE** —