

e-MERLIN and the EVN in the SKA era

Workshop II

1.5-day workshop, Jodrell Bank Observatory 11-12th September 2017

Agenda v1.5

Meeting Location: Wolfson Auditorium at Jodrell Bank Discovery Centre at Jodrell Bank Observatory (Sat-Nav : SK11 9DW)

Monday 11th September:

12:00 - Bus pickup for delegates from Wilmslow (Hotels)

12:30-13:30: Registration

13:00 – 14:00: Welcome Lunch break

14:00 – Session 1: Overview, concept and meeting motivation

14:00 – 14:15: Mike Garrett (JBCA) - Introduction, welcome and overall vision

14:15 – 14:40: Simon Garrington (JBCA) - Future developments of e-MERLIN

14:40 – 15:00: Rob Beswick (JBCA) - e-MERLIN Science overview

15:00 – 15:15: *Q&A session / Discussion session – Motivation and outcomes of meeting*

15:15 – 15:45: Afternoon Tea Break

15:45 – Session 2: e-MERLIN Science

15:45 – 16:00: Patrick Weltevrede (JBCA) - Recent pulsar timing highlights using the Lovell telescope and a look to the future

16:00 – 16:15: Jane Greaves & Emily Drabek-Maunder (Cardiff) - The Point of PEBBLEs

16:15 – 16:30: Anita Richards (JBCA) - Making a splash : water observations with e-MERLIN

16:30 – 16:45: Danielle Fenech (UCL) - Cyg-OB Association e-MERLIN Survey - COBRaS

16:45 – 17:00: Raneri Baldi & David Williams (Soton) - LEMMINGs: eMERLIN observations of nearby galaxies

17:00 – 17:15: Tom Muxlow (JBCA) - Results from e-MERGE – high resolution 20cm imaging of star-formation across cosmic time

17:15 – 17:30: Ian Harrison (JBCA) - The SuperCLASS Weak Lensing Survey

17:30 – 18:00: *Discussion of priorities (part 1)* - 'What are the Science priorities for e-MERLIN?'

18:00- 18:30: Drinks Reception at JBO

18:30: Reception meal at JBO Discovery Centre

20:00: Bus transport back to hotels

Tuesday 12th September:

08:30 - Bus pickup for delegates (Wilmslow)

09:00: Session 3: Technical developments

09:00 – 09:15: Melvin Hoare (Leeds) - The addition of Goonhilly to e-MERLIN

09:15 – 09:30: Paul Alexander (Cambridge) - e-MERLIN Software in the SKA era

09:30 – 09:45: Mike Jones (Oxford) - New Receiver suites for e-MERLIN

09:45 – 10:00: Mike Keith (JBCA) - Development of Phased Array Feeds

10:00 – 10:15: Keith Grainge (JBCA) - Digital developments
10:15 – 10:30: Discussion of priorities (part 2) - 'What are the Technical development priorities?'

10:30 – 11:00: Morning Coffee Break

11:00: Session 4: Context and summary

11:00 – 11:15: Ian Robson (STFC) - STFC's strategic review of Radio Astronomy

11:15 – 11:30: Discussion on the landscape of UK radio astronomy toward the SKA era

11:30 – 11:45: Simon Garrington/Rob Beswick – Meeting round-up/summary

11:45 – 12:00: Discussion session - 'What are the priorities for e-MERLIN toward the SKA-era?'

The future of VLBI

Chair/Organisers: Tiziana Venturi (INAF)/Zsolt Paragi (JIVE)/Michael Lindqvist (Onsala)

12:00: Session 5: The Future of VLBI

12:00 – 12:10: Tiziana Venturi (INAF) - Introduction, welcome and overall vision

12:10 – 12:30: Michael Lindqvist (Onsala Space Observatory) - EVN present Status and future direction

12:30 – 12:45: Walter Brisken (LBO) - VLBA Technical Roadmap: 2020-2035

12:30 – 12:45: John Conway (Onsala Space Observatory) - Wide-Band Single Pixel feeds and EVN technical upgrades

13:00 – 14:00: Lunch

14:00: Session 6: VLBI Science

14:00 – 14:15: Zsolt Paragi (JIVE) - VLBI and the SKA (an update from the SKA-VLBI SWG)

14:15 – 14:30: Jack Radcliffe (Groningen/JBCA/ASTRON) - What's the point in wide-field VLBI? A multi-wavelength perspective

14:30 – 14:45: Philippa Hartley (JBCA) - Investigating radio quiet quasars using e-Merlin and EVN observations of strong gravitational lenses

14:45 – 15:00: Sandra Etoke (JBCA) - Probing circumstellar structures through masers with EVN & eMERLIN

15:00 – 15:30: Discussion - 'future of VLBI in the SKA era'
(Panel Tiziana Venturi, Zsolt Paragi, Michael Lindqvist ++)

15:30 - ~16:00: Overall Meeting Wrap-up and Discussion. – long baseline interferometers in the SKA era

16:00: End of meeting

16:15-16:30: Bus transportation or taxis ordered as required back to Railway Station/Airport etc.