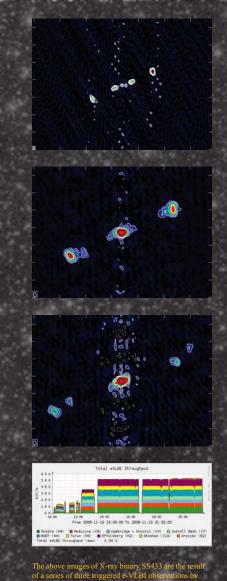
Science and Technology of Long Baseline Real-Time Interferometry: The 8th International e-VLBI Workshop http://www.oan.es/expres09/

22-26 June 2009 Madrid, Spain



EVN in November 2009 (V. Tudose et al). The program displays the total data throughput fro 1024 Mbps rates from

cluster background image courtesy of NASA/JPL-tech, D. Figer, et al.

In recent years real-time, long-baseline, radio interferometry over optical networks has developed from a technical possibility to a mature technique. The time is ripe to bring together all those working on the science and technology of e-VLBI to discuss the state-of-the-art and future prospects.

This week long conference will cover both scientific applications (first half) and technical implementation (second half) with joint sessions in the middle. Participants are welcome to attend a part or the whole of the conference. The conference proceedings will be published electronically. Specific areas to be covered include:

Scientific: Applications of real-time operation to astronomy, geodesy and other fields. How to best coordinate emerging e-VLBI arrays for best scientific return. Connections to transient monitoring in other wavebands including Fermi Gamma-Ray Space Telescope observations.

Technical: e-VLBI test experiments, use of new long distance links, development of techniques including selective packet dropping and novel protocols, search for higher bandwidths, network status and monitoring, distributed processing, and future development.

Scientific/Technical: Technical possibilities of interest in planning future instruments. Desired technical requirements to fulfill scientific goals, science priorities for development.

- Scientific Organising Committee Chair: John Conway, Onsala Space Observatory (Sweden)
- Chair: Ralph Spencer, Jodrell Bank Centre for Astrophysics (UK)

- Rob Fender, Southampton University (UK)
 Mike Garrett, ASTRON (The Netherlands)
 Alexander J. van der Horst, NASA/MSFC/ORAU (USA)
 Rüdiger Haas, Onsala Space Observatory (Sweden)
 Richard Hughes-Jones, DANTE (UK)
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- Huib Jan van Langevelle, JIVE, Leiden University (EU/Netherlands)
 James Miller-Jones, NRAO (USA)
- Zsolt Paragi, JIVE (EU/Netherlands)

- Miguel Perzz-Tores, IAA-CSIC (Spain)
 Chris Phillips, CSIRO (Australia)
 Mamoru Sekido, KSRC/NICT (Japan)
 Arpad Szomoru, JIVE (EU/Netherlands)
- Steven Tingay, Curtin University of Technology (Australia)
 Tasso Tzioumis, CSIRO (Australia)
- Pablo de Vicente, OAN-IGN (Spain)
 Alan Whitney, Haystack Observatory, MIT (USA)

- Local Organising Committee
- Chair: Francisco Colomer, CNIG-IGN (Spain)
- Jean-François Desmurs, OAN-IGN (Spain)
 Vvonne Kool, JIVE (EU/Netherlands)
 Pahang
- Rebeca Soria, OAN-IGN (Spain)
 T. Charles Yun, JIVE (EU/Netherlands)

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