The 3rd e-VLBI Workshop

Program

October 6 (Wed.)

Session 1  General Review (Chair : Wolfgang Schlüter)
10:00-10:05 Hiroshi Kumagai (NICT)
Welcome
10:05-10:25 Fujinobu Takahashi (Yokohama National University)
The Study of Sustainable System Design for Global e-VLBI Networks
10:25-10:55 T. Charles Yun (Internet2)
e-VLBI and Internet2: Update and Future
10:55-11:25 Stephen M. Parsley (JIVE)
eVLBI in Europe, a General Perspective
11:25-11:55 Yasuichi Kitamura (NICT)
High performance infrastructure for e-VLBI

Lunch (11:55-13:30)

13:30-14:00 Alan R. Whitney (MIT Haystack Observatory)
Real-time e-VLBI Experiments at Haystack Observatory
14:00-14:30 Anastasios K. Tzioumis (ATNF, CSIRO)
eVLBI progress in Australia

Session 2  High Speed Data Transfer over the Network
(Chair : Stephen M. Parsley)
14:30-14:50 David E. Lapsley (MIT Haystack Observatory)
e-VLBI Network and Platform Monitoring
14:50-15:10 Masaki Hirabaru (NICT)
Performance Measurement on Large Bandwidth-Delay Product Networks

Break (15:10-15:30)
15:30-16:00 David E. Lapsley (MIT Haystack Observatory)  
VSI-E Implementation and Results

16:00-16:20 Hiroshi Sakamoto (University of Tokyo, ICEPP)  
LHC Computing Grid : A Globally Distributed Analysis Infrastructure for High Energy Physics

16:20-16:40 Jun Matsukata (National Institute of Informatics)  
Thoughts on Information Communication Infrastructure for the Research Educational Network

16:40-17:00 Noriyuki Kawaguchi (NAOJ)  
The e-VLBI Operations on Three Stations at 2.5-Gbps in Japan

Banquet (18:00-20:00) at "Marine" (Main Tower 4F)

October 7 (Thu.)

Session 3  Reports of Developments and Results  
(Chair : Jon Romney)

9:00-9:20 Hiroshi Takeuchi (NICT)  
Ongoing e-VLBI Developments with K5 VLBI System

9:20-9:40 Tetsuro Kondo (NICT)  
Current status of K5 software correlator

9:40-10:00 David E. Lapsley (MIT Haystack Observatory)  
Design of Experiment Guided Adaptive Endpoint

10:00-10:20 Yasuhiro Koyama (NICT)  
Rapid turn around UT1 estimation with e-VLBI

Break (10:20-10:40)

10:40-11:00 Ryuichi Ichikawa (NICT)  
Throughput Test of Satellite Data Transmission for Space Geodesy using the TCP/IP link in the South Pacific

11:00-11:20 Mamoru Sekido (NICT)  
Astrometric VLBI observation of Spacecraft with phase delay
Session 4  Future Plans and Regional Status Reports  
(Chair : Mamoru Sekido, Yasuhiro Koyama)

11:20-11:40  Makoto Miyoshi (NAOJ)  
A sub-mm VLBI network, Horizon Telescope II
11:40-12:00  Hisashi Hirabayashi (JAXA, ISAS)  
Space-VLBI after VSOP, RadioAstron Age

Lunch (12:00-13:30), Asia Pacific Telescope (APT) Meeting

13:30-13:50  Hiroshi Sudou (Gifu University)  
The feasibility and Scientific Goals of the Japanese e-VLBI System
13:50-14:10  Xiuzhong Zhang (Shanghai Astronomical Observatory)  
The eVLBI in Chinese VLBI Network
14:10-14:30  Zheng Wen Sun (Urumqi Astronomical Observatory)  
Status of VLBI and e-VLBI in Urumqi Astronomical Observatory
14:30-14:50  Arpad Szomoru (JIVE)  
Recent eVLBI developments at JIVE

Break (14:50-15:10)

15:10-15:30  Jouko J. Ritakari (Metsähovi Radio Observatory)  
Recent eVLBI developments at Metsähovi
15:30-15:50  Mauro Nanni (CNR Ist. Radioastronomia)  
E-vlbi in Italy

Session 5  Discussions  
(Chair : Alan Whitney)

15:50-16:30  All Participants  
Discussions
16:30-16:35  Taizoh Yoshino (Mitsubishi Electric Co.)  
Closing Remarks
Posters

P-1  David E. Lapsley (MIT Haystack Observatory)
Experiences of Upgrading to 2.5 Gbps using DWDM Technology

P-2  David E. Lapsley (MIT Haystack Observatory)
The Application of Cluster Computing to e-VLBI

P-3  Kevin A. Dudevoir (MIT Haystack Observatory)
Mark 5 Network Performance Issues

P-4  Gino Tuccari (IRA - INAF)
E-LFVN - An Internet Based VLBI Network

P-5  Moritaka Kimura (NICT)
High Performance PC based Gigabit VLBI System

P-6  Yasuhiro Murata (J AXA)
Current Status of the Next Generation Space VLBI Mission: VSOP-2

P-7  Yusuke Kono (NAOJ)
Broadband VLBI Data Downlink of VSOP-2