

## WEDNESDAY, 23 OCTOBER

9:00 AM	<i>Coffee and pastries</i>	
9:30 AM	Marcelo Segura	CART Current Status Update and Future Collaborations
9:55 AM	Jingdong Zhang	An Efficient Serial Multiview Approach to Mitigation Atmospheric Spatial-Structure Errors for VLBI Astrometry
10:20 AM	Frederic Jaron	Cross-polarization Gain Calibration of VGOS Antennas
10:45 AM	<i>Break</i>	
11:00 AM	Lei Liu	A Cascading Beam Pattern Simulation for Multi-level Aperture Arrays
11:25 AM	Marjolein Verkouter	Four years of Accumulated Very Practical Improvements in jive5ab
11:50 AM	John Barret	Pushing the Mark6 to 60 Gbps and Beyond with DPDK
12:15 PM	<i>Lunch</i>	
1:15 PM	Alexander Neidhardt	System Monitoring of a Complete VLBI Site with ZABBIX 7.0
1:40 PM	Frederic Jaron	VGOS Phase Cal Performance at High Frequencies
2:05 PM	Oleg Titov	Estimation of the Instantaneous Earth Rotation with Geodetic VLBI
2:30 PM	<i>Break</i>	
2:45 PM	Discussions	Next IVTW and Other Discussions
3:45 PM	Conclusion	

## POSTER PRESENTATIONS

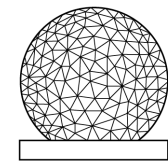
Kaho Hashimoto	Progress of Process Automation at Tsukuba Correlator / Analysis Center
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# 9th International VLBI Technology Workshop

**MIT Haystack Observatory  
Westford, Massachusetts**

20–23 October 2024



**MIT  
HAYSTACK  
OBSERVATORY**

*Final Program*

## SUNDAY, 20 OCTOBER

6:00 PM *Reception at Haystack*

7:00 PM Jens Kauffmann      Tour of the Haystack Telescope

## MONDAY, 21 OCTOBER

8:30 AM *Coffee and pastries*

9:00 AM Phil Erickson      Welcome / Logistics

9:15 AM Walter Brisken      VLBA New Digital Architecture

9:40 AM Marjolein Verkouter      The RADIOBLOCKS Project Contribution to the VLBI of the Future

10:05 AM Niclas Esser      The VLBI Mode of the Universal Effelsberg Direct Digitization (EDD) System

10:30 AM *Break*

10:45 AM Marcel Gouws      Development of VLBI Obs Mode for MeerKAT

11:10 AM Lynn Matthews      Recent and Planned VLBI Developments at ALMA

11:35 AM Chris Phillips      LBA Update

12:00 PM *Lunch*

1:00 PM Marjolein Verkouter      The Global VLBI Alliance and the IVTW

1:25 PM Weimin Zheng      Chineses VLBI Network - New 40m Dish

1:50 PM Jose Lopez-Perez      Future RAEGE Station in Gran Canaria

2:15 PM *Break*

2:30 PM Lucia McCallum      News from Down Under Auscope VLBI Project

2:55 PM Chet Ruszczyk      Haystack Technology Roadmap

3:20 PM Rüdiger Haas      VGOS Related Work at the Onsala Space Observatory

3:45 PM *Break*

4:00 PM *Discussion*      Open Topic Session

## TUESDAY, 22 OCTOBER

8:30 AM *Coffee and pastries*

9:00 AM Chet Ruszczyk      Broadbanding Broadband VLBI to Also Observe GNSS Signals

9:25 AM Marco Midon      Geodetic Reference Instrument Transponder for Small Satellites (GRITSS)

9:50 AM Rüdiger Haas      Towards VLBI with ESA's Genesis Satellite

10:15 AM Kazunori Akiyama      The Black Hole Explorer Mission: Vision and Motivation

10:40 AM *Break*

10:55 AM Helge Rottman      Advances in Wide-band VLBI Technology

11:20 AM Chris Phillips      GPU Upgrade for the ATCA

11:45 AM Frederic Jaron      A Source Structure Correction Tool for VLBI Visibility Data

12:10 PM *Lunch*

1:10 PM Marjolein Verkouter      Results of the 4 year EC Funded ESCAPE Project at JIVE for the EVN and VLBI Communities

1:35 PM Pablo García-Carreño      Development of HTS Filters at Yebes Observatory

2:00 PM Alexander Neidhardt      RFI Monitoring with different techniques

2:25 PM *Break*

2:40 PM Hayo Hase      On the Efforts to Prepare VLBI for the Next Decade

3:05 PM Sam Thé      Observations and Modeling of RFI from Mega-constellations of Satellites on Radio Telescopes

3:30 PM Frank Schinzel      Radio Spectrum Access Challenges and Possible Solutions

3:55 PM *Break*

4:10 PM *Discussion*      RFI

5:10 PM *Posters*

5:30 PM *Cocktail hour*      at Haystack

6:00 pm *Meeting dinner*      at Haystack