

Session Program

21-25 Oct 2025



10th International VLBI Technology Workshop (IVTW)

Sessions

Veras gräsmatta, Chalmers, Gothenburg
Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se

Wednesday 22 October

09:30

Sessions: 1a

Session |

Location: Veras gräsmatta, Chalmers, Gothenburg, Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se

09:30–09:40

Welcome

Speaker

John Conway

09:40–10:00

VLBI with the Square Kilometre Array Observatory

Speaker

Dr Jun Yang

10:00–10:20

VLBI observations with the SKA-Mid at 12/15 GHz

Speaker

Dr Jun Yang

10:20–10:40

Improved UV Coverage for Southern-Hemisphere VLBI through the SKAMPI telescope

Speaker

Jompoj Wongphechauxsorn

10:40

11:05

Sessions: 1b

Session |

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Convener: Anne-Kathrin Baczko

11:05–11:25

LOFAR: VLBI at the lowest frequencies

Speaker

Ilse van Bemmelen

11:25–11:45

Orchestrating low-frequency VLBI at the scale of LOFAR

Speaker

Frits Sweijen

11:45–12:05

The deepest radio image with the full European LOFAR

Speaker

Jurjen de Jong

12:05

13:20

Sessions: 2a

Session |

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13:20–13:40

Demonstrating Low-Frequency VLBI in the Southern Hemisphere for SKA-Low

14:20

Speaker

Dr Chris Phillips

13:40–14:00

A new VLBI Station at Bosscha Observatory

Speaker

Taufiq Hidayat

14:00–14:20

The Ghana Radio Astronomy Observatory: Technical Progress and VLBI Participation

Speaker

Emmanuel Proven-Adzri

14:30

Sessions: 2b

Session |

Location: Veras gräsmatta, Chalmers, Gothenburg, Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se

14:30–14:50

Using techniques of radio astronomy for a sustainable development and Science

Speaker

Prof. Nectaria Gizani

14:50–15:10

The Wetterstein Millimeter Telescope

Speaker

jompoj wongphechauxsorn

15:10–15:30

RADIOBLOCKS

Speaker

Arpad Szomoru

15:30

15:55

Sessions: 2c

Session |

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15:55–16:15

Radio Blocks for a VLBI GPU correlator

Speaker

Mark Kettenis

16:15–16:35

Deep dive into the ATCA "BIGCAT" GPU correlator

Speaker

Dr Chris Phillips

16:35–16:55

The correlation terminal for the Antarctic submillimeter interferometer

Speaker

Dr Yajun Wu

16:55

Thursday 23 October

09:00

Sessions: 3a

Session |

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09:00–09:20

Developments at Wettzell Observatory

Speaker

Alexander Neidhardt

09:20–09:40

VCAT: A python module for VLBI data analysis

Speaker

Anne-Kathrin Baczko

09:40–10:00

VIPCALs: A fully-automated calibration pipeline for VLBI data

Speaker

Diego Alvarez-Ortega

10:00

10:25

Sessions: 3b

Session |

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10:25–10:45

Ambient L-band receiver development at ASTRON

Speaker

Paulus Kruger

10:45–11:05

Modernizing the VLBI data-reduction software stack

Speaker

Mark Kettenis

11:05–11:25

Multi-dimensional image reconstruction using adaptive correlated noise model

Speaker

Venkaatesh Ramakrishnan

11:25

11:35

Sessions: 3c

Session |

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11:35–11:55

The Synoptic Wide-field EVN-eMERLIN Public Survey (SWEEPS) - Overview and Results

Speaker

Célestin Herbé-George

11:55

13:25

Sessions: 4a**Session** |**Location:** Veras gräsmatta, Chalmers, Gothenburg, Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se

13:25–13:45

Preparing for VLBI with signals of ESA's Genesis satellite**Speaker**

Prof. Rüdiger Haas

13:45–14:05

Signal-to-Noise and Link Budget Analysis for the GENESIS VLBI Transmitter**Speaker**

Ozgur Karatekin

14:05–14:25

Removing source structure in DiFX visibility data**Speaker**

Frederic Jaron

14:25

14:35

Sessions: 4b**Session** |**Location:** Veras gräsmatta, Chalmers, Gothenburg, Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se

14:35–14:55

Progress of Full Automated Correlation Process for VGOS-INT-B/C at Tsukuba Correlator/Analysis Center**Speaker**

Ms Kaho Hashimoto

14:55–15:15

Multi-twin flux density monitoring at VGOS frequencies**Speaker**

Alva Kinman

15:15–15:35

A new method to derive a VGOS flux density source catalogue based on real observations and theoretical derivations**Speaker**

Ms Shilpi Chakraborty

15:35

16:00

Sessions: 4c**Session** |**Location:** Veras gräsmatta, Chalmers, Gothenburg, Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se

16:00–16:20

Synchronized microwave radiometer and VGOS observations**Speaker**

Peng Feng

16:20–16:40

Investigating the Impact of GNSS Orbit and Clock Product Types in Integrated VGOS and GNSS Solutions for VLBI Intensive Sessions**Speaker**

Rimsky Wolfs

16:40

Friday 24 October

09:00

Sessions: 5a

Session |

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09:00–09:25

AAC Omnisys to deliver the Band 1 feeds for the SKA-mid telescope for the Square Kilometre Array Observatory (SKAO)

Speaker

Olivier Auriacombe

09:25–09:45

Compact Downconverters for VGOS and BRAND receivers

Speaker

Ms Andrea Martínez Parra

09:45–10:05

OSO 20m Tri-Band Receiver Project

Speakers

Leif Helldner, Mr Magnus Dahlgren

10:05

10:30

Sessions: 5b

Session |

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10:30–10:55

Redundant National Fiber Distribution of Time and Frequency

Speaker

Sven-Christian Ebenhag

10:55–11:25

State of the art of optical communications

Speaker

Prof. Magnus Karlsson

11:25

11:35

Sessions: 5c

Session |

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11:35–11:55

SHARP and Space Array initiatives

Speaker

Eric Villard

11:55–12:15

Time-Resolving Sgr A* at 86 GHz via Low-Earth Orbit VLBI

Speakers

Ms Amelia Frickey, Mr Graham Neely, Ref Bari

12:15

13:25

Sessions: 6a**Session** |**Location:** Veras gräsmatta, Chalmers, Gothenburg, Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se**13:25–13:45 Progress of the Chinese VLBI Network from Earth to Space****Speaker**

Fengchun Shu

13:45–14:05**VLBI Transmitter preliminary performance and link budget estimates for NovaMoon****Speaker**

Ozgur Karatekin

14:05–14:30 Industrial return from large-scale research facilities**Speakers**

Paul Häyhänen, Oscar Isoz

14:30

14:40

Sessions: 6b**Session** |**Location:** Veras gräsmatta, Chalmers, Gothenburg, Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se**14:40–15:05 RFI Measurements for SKAO Equipment - Challenges and Practice****Speaker**

Dr Kristian Karlsson

15:05–15:25**Monitoring of Unwanted Electromagnetic Radiation at Onsala Space Observatory****Speaker**

Lim Chin Chuan

15:25

15:50

Sessions: 6c**Session** |**Location:** Veras gräsmatta, Chalmers, Gothenburg, Stena Center Läraregatan 3 411 33 Göteborg Phone: +46 (0)31-797 20 70 Email: info@stenacenter.se**15:50–16:10 MIT Haystack Digital Backend Updates****Speaker**

Chester Ruszczyk

16:10–16:30 The Effelsberg Direct Digitization Triband Receiver**Speaker**

Niclas Esser

16:30–16:40 Summary**Speaker**

Marjolein Verkouter

17:00