



INTERNATIONAL WORKSHOP

RT-32 ZOLOCHIV:
FIRST RESULTS, EU COLLABORATION,
RADIO ASTRONOMY FRONTIERS

PROGRAM



OCTOBER 3-7, 2021, ZOLOCHIV, UKRAINE

International Workshop
"RT-32 ZOLOCHIV: FIRST RESULTS, EU COLLABORATION, RADIO
ASTRONOMY FRONTIERS"
October 3-7, 2021, Zolochiv, Ukraine

PROGRAM

October 3, 2021

Transfer to Zolochiv, Hotel check-in

October 4, 2021

09.15-09.45

Workshop Registration

09.45-10.30

Opening of the Workshop

Volodymyr BEN

First Deputy Head of the State Space
Agency of Ukraine

Welcome speeches

**VOLODYMYR
PRYSIAZHNYI**

National Space Facilities Control
and Test Center

**YAROSLAV
YATSKIV**

National Academy of
Sciences of Ukraine

**VASYL
MARKEVYCH**

Zolochiv District Regional
Administration

**IHOR
HRYNKIV**

Mayor of Zolochiv

Plenary session (10.30-13.50, October 4)

Moderator VIKTOR OZHINSKYI

10.30-10.50

Present and future of the European VLBI Network
(Zoom)

Francisco COLOMER

Joint Institute for VLBI

10.50-11.10

REPORT: «Current status of space sciences in Ukraine»

YAROSLAV YATSKIV

National Academy of Sciences of
Ukraine

11.10-11.30

REPORT: «Scientific Tasks of the RT-32 Zolochiv»

Oleg ULYANOV

Institute of Radio Astronomy
NAS of Ukraine

11.30-11.50

REPORT: «A System for Remoute Sounding of the Near-
Earth Environment Using the RT32 Radio Telescope»

Vyacheslav ZAKHARENKO

Institute of Radio Astronomy
NAS of Ukraine

11.50

COFFEE BREAK

12.10

Moderator OLEG ULYANOV

12.10-12.30

REPORT: «Space science frontier of VLBI: the case for the
Zolochiv 32-m radio telescope»

Leonid GURVITS

Joint Institute for VLBI

12.30-12.50

REPORT: «Further prospects for the technical
reequipment of the RT32 radio telescope, taking into
account the modernization of the KTNA 200 antenna»

Volodymyr CHMIL

Private Joint Stock Company
«Scientific and Production Enterprise
«Saturn»

12.50-13.10

REPORT «New frontiers of Low Frequency Radio Astronomy (Part II)»

Alexander KONOVALENKO

Institute of Radio Astronomy
NAS of Ukraine

13.10-13.30

Recent advances in investigation of active galactic nuclei

Elena BANNIKOVA

Institute of Radio Astronomy
NAS of Ukraine

13.30-13.50

REPORT «Overview about ongoing radioastronomical observations and related science projects in VIRAC»

Vladislavs BEZRUKOVS

Ventspils University of Applied
Sciences

13.50-15.00

Transfer. Lunch (paid by participants). Transfer to Space Research and Communication Center

15.00-16.50

Space Research and Communication Center guided tour

16.50-17.20

Transfer to Hotel

18.30-19.30

Gala Dinner

October 5, 2021

Plenary session (09.30-12.20, October 5)

Moderator VIKTOR OZHINSKYI

09.30-09.50

REPORT: «The errors sources analysis of the antenna MARK-4B and methods of their minimization by the control system

Mykhaylo PALAMAR

Ternopil Ivan Puluj National
Technical University

09.50-10.10

REPORT: «Results of Development VLBI Time Scale System RT-32 Zolochiv»

Viktor GAIDAMANCHUK

Wircom Co

10.10-10.30

REPORT «Variability of the radio galaxy Perseus A (3c 84) on the data observations with RT-32 radio telescopes in the Latvia and Ukraine»

Artem SUKHAREV

Institute of Radio Astronomy
NAS of Ukraine

10.30

COFFEE BREAK

11.00

Moderator OLEG ULYANOV

11.00-11.20

REPORT «Technicalities of observing with the EVN»

Harro VERKOUTER

Joint Institute for VLBI

11.20-11.40

REPORT «Results of Research Long-Haul Time Dissemination System based on WDM and Boundary Clocks for VLBI Application»

Mykola MATVIENKO

Wircom Co.

11.40-12.00

REPORT «"Arc Struve" – Latvian-Ukrainian project on space weather»

Mikhail RYABOV

Institute of Radio Astronomy
NAS of Ukraine

12.00-12.20

REPORT «VST: an overview»

Massimo CAPACCIOLI

Naples University Federico II

12.30-14.00

Transfer. Lunch (paid by participants). Transfer

Plenary session (14.00-17.00, October 5)

Moderator VIKTOR OZHINSKYI

14.00-14.30

REPORT «High accuracy methanol lines for search of spatial-temporal variations of the fundamental constants»

Eugene ALEKSEEV

Institute of Radio Astronomy
NAS of Ukraine

14.30-15.00

REPORT «RT-32 for NEO monitoring»

Roman AVSIIEVYCH

Zhytomyr Military Institute

15.00

COFFEE BREAK

15.20

Moderator OLEG ULYANOV

15.20-15.40

REPORT « The method for RT-32 radio telescope error matrix construction in automatic mode»

Viktor OZHINSKYI

National Space Facilities Control and
Test Center

15.40-16.00

REPORT «Ukraine in space: foretime, nowadays and prospective»

Victoria CHETVERTAK

S.Korolev National Space
Museum

16.00-17.00

CLOSING OF THE WORKSHOP

17.00-17.15

Transfer to Hotel

October 6, 2021

10.00-16.00

Lviv's Guided Tour

October 7, 2021

12.00

Hotel check-out Transfer to Lviv