

Norwegian – Ukrainian School – Conference
Remote Radio Sounding of the Ionosphere (ION-2014)
UiT The Arctic University of Norway

Organizations : UiT The Arctic University of Norway , Norwegian Centre for International Cooperation in Education (SIU), Institute of Ionosphere NAS – MES Ukraine (IION), National Technical University “Kharkiv Polytechnic Institute” (KhPI), Institute of Radio Astronomy (IRA), EISCAT Scientific Association (EISCAT)

Program – Organising Committee

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Tromsø

12 – 14 November, 2014

PROGRAM OF THE ION – 2014

First day Session, 12 Nov, 2014

Room 2.018 Teknologibygget

Session Chairman - Prof. Unni Pia Løvhaug (UiT)

9:00 – 09:30 Registration of participants

09:30 Opening ceremony

09:30 – 09:35 Torbjørn Eltoft, Chair Institute UiT-IFT - Welcome speech

09:35 – 09:40 B. Hekland/Representative from SIU - Welcoming speech

09:40 – 09:45 Prof. C. La Hoz (UiT) – Announce of ION – 2014

09:45 – 09:50 Dr. D. Tarashchenko (NASU) - Welcome speech from NASU

09:50 – 10:30 Dr. A. Koloskov (IRA) – Results and Prospects of the Norwegian-Ukrainian Cooperation Project (CPEA 2012/0021)

10:30 – 10:45 Coffee break

10:45 – 11:25 Prof. C. La Hoz – Ionospheric sounding by Incoherent scattering

11:25 – 12:00 Prof. B. Gustavson (UiT) – Anomalous Plasma Line Echo investigations

12:00 – 13:00 LUNCH

Room 2.017 Teknologibygget

Session Chairman – Dr. A. Koloskov (IRA)

13:00 – 13:30 Prof. Unni Pia Løvhaug – Anomalous Plasma Ion Echo investigations

13:30 – 14:00 Prof V. Pulyaev (IION) – ISR research in the educational process at the KhPI – IION.

14:00 – 14:30 Dr. D. Kotov (IION) – Upper transition height during the last solar minimum: Surprises, Doubts, and Explanations.

14:30 – 15:00 Dr. A. Zalizovsky (IRA) – Ionospheric effects in superlong HF signal propagation.

15:00 – 15:15 Coffee break

15:15 – 15:30 Lindis M. Bjoland (UiT) Comparing the IRI model at High Latitudes with long-term Incoherent Scatter data

15:30 – 15:45 M. Baru (IRA) Ground based and satellite observations of the Ionospheric Alfvén Resonance

15:45 – 16:15 Dr. A. Zalizovsky, Y. Yampolski, A Koloskov – Ukrainian Geospace research in Antarctica

16:15 – 17:00 Discussion - Prof. Unni Pia Løvhaug, Dr. A. Koloskov

Second day Session, 13 Nov, 2014

External Session at the EISCAT Observatory

9:00 – Departure from Tromsø (Teknologibyggget) to the EISCAT Observatory

Session Chairman - Dr. A. Koloskov (IRA)

09:45 – 11:00 Dr. Mike Rietveld (EISCAT) – Introductory lecture on the EISCAT facilities and tour (with C. La Hoz) to the Observatory Facilities

11:00 – 11:30 Prof. C. La Hoz – Prospects of the Diploma Master's Theses for Ukrainian students of UiT

11:30 – 12:00 Dr. Mike Rietveld – Results from EISCAT Heating

12:00 – 13:00 LUNCH

13:00 – 15:00 Dr. Mike Rietveld/Henry Pinedo/Lindis Bjoland – Educational EISCAT experiment

15:00 – 16:30 Lindis Bjoland and Henry Pinedo – Data processing of the educational experiment

16:30 – Return to downtown Tromsø

Third day Session, 14 Nov, 2014

Room 2.018 Teknologibyggget

Session Chairman – Dr. A. Zalizovsky

9:00 – 10:20 Mr. A. Siladi – UiT Campus Excursion (Vitesenter, Library, etc)

10:20 – 10:30 – Coffee

10:30 – 11:00 Prof. T. Eltoft – Lecture of the Faculty of Physics and Technology

11:00 – 11:30 Prof. Kjellmar Oksavik (University of Bergen) – Plasma convection over the polar ionosphere

11:30 – 12:00 Prof. Brett Isham (Univ. Interamericana, Puerto Rico) – The Arecibo Observatory: History, Engineering, and Science

12:00 – 13:00 LUNCH

Room 2.017 Teknologibyget

Session Chairman – Prof. B. Gustavson

13:00 – 13:30 Prof. Kjellmar Oksavik (University of Bergen) – Plasma irregularities in the polar F-region of the ionosphere.

13:30 – 14:00 Dr. A. Koloskov – HF and ELF facilities as the educational tools for Geospace research

14:00 – 14:30 Prof. Brett Isham (Univ. Interamericana, Puerto Rico) – Plans for an MF/HF Radio Imaging Array in Aguadilla, Puerto Rico.

14:30 – 15:00 Dr. A. Zalizovsky – Atmospheric and Space Weather Systems Interaction

15:00 – 15:30 Dr. Craig Heinselman Director (EISCAT)/ Cesar La Hoz – The EISCAT_3D Project

15:30 – 15:45 Coffee break

Student's Presentation:

15:45 – 16:00 V. Barabash (IION) – Ionospheric manifestations of acoustic-gravity waves under quiet and disturbed conditions

16:00 – 16:15 M. Siusiuk (KhPI, IION) – Variants of transforming the ionospheric parameters of Kharkov radar to the database format "Madrigal"

16:15 – 16:30 S. Kozlov (KhPI) – Automated a data collection system for the control state of complex IS

16:30 – 16:45 A. Soina (IRA) – Weekly variations of the parameters of the ambient environment

16:45 – 17:00 Prof. S. La Hoz, Dr. A. Koloskov - Closing Ceremony

