

[www.congress.nau.edu.ua/
mrrs](http://www.congress.nau.edu.ua/mrrs)



[www.congress.nau.edu.ua/
mrrs](http://www.congress.nau.edu.ua/mrrs)

International Workshop on MICROWAVES, RADAR AND REMOTE SENSING

19-21 September 2005

Kiev, Ukraine

Organized in the framework of the 2nd World Congress

“SAFETY IN AVIATION”

<http://www.congress.org.ua/mrrs/>

by the National Aviation University (NAU), Ukraine



Felix Yanovsky

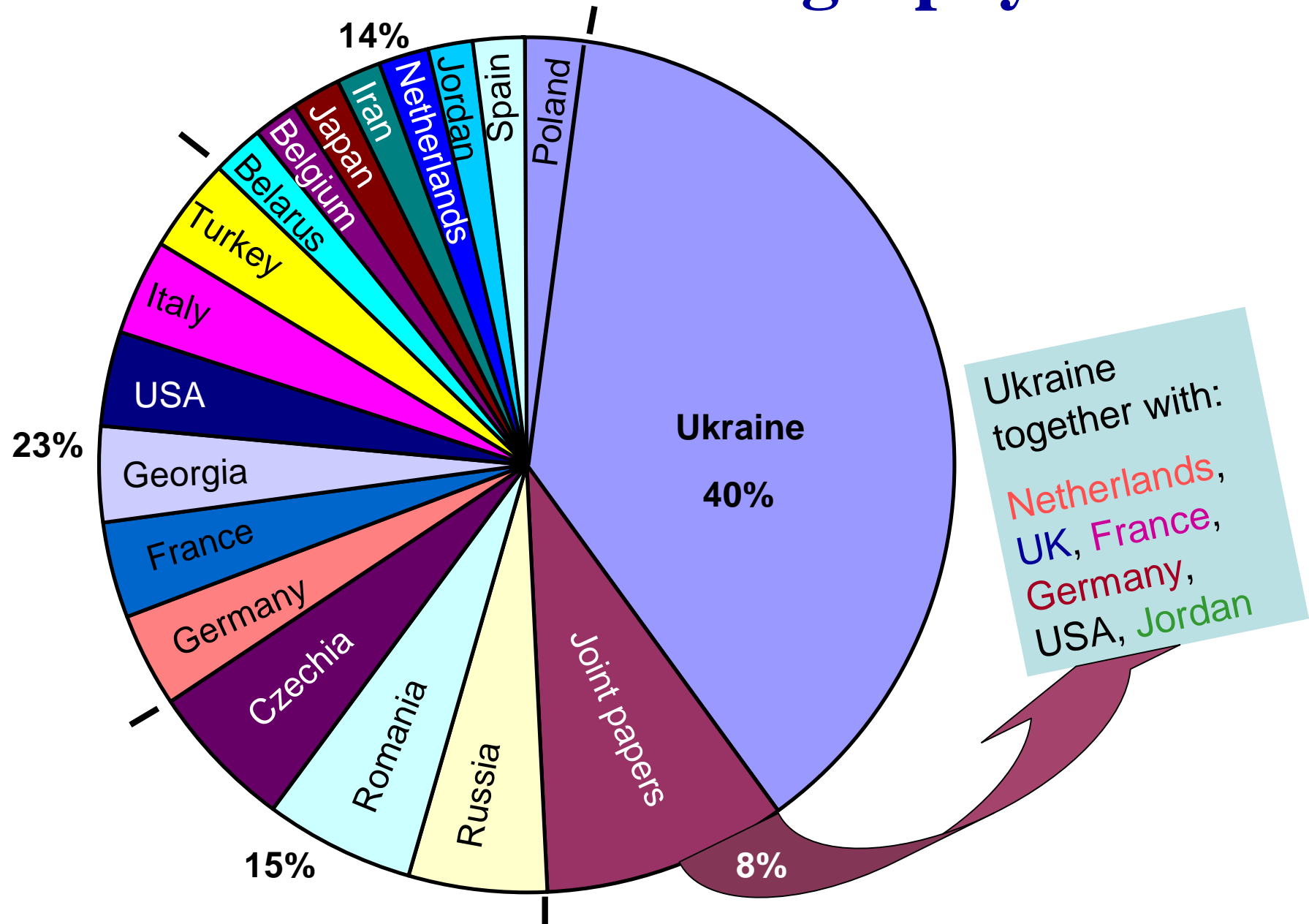
MRRS 2005 Chair

MRRS 2005 Information

- This event held in Kiev city gave a chance to discuss the research results between the Ukrainian and the Western scientists, and more broadly between former USSR and the rest of the World.
- MRRS 2005 Program comprised 12 sessions held in 2 parallel streams and included 63 accepted papers.
- Registered attendees were nearly 100.
- Number of presented papers was 56 .
- Number of no-shows was 7.
- 10 invited speakers.
- Conference venue – **National Aviation University (NAU)** →



MRRS 2005 Geography

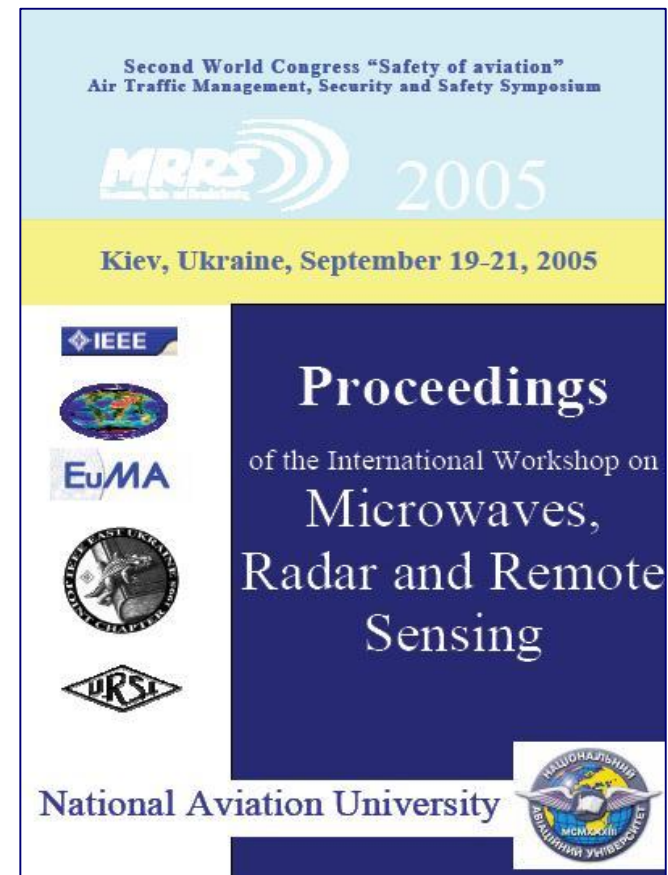


Participants and attendees consider that scientific program was really interesting. In particular:

- Papers on remote sensing of the atmosphere provided a state-of-the-art analysis of new Doppler-Polarimetric approach to extract reliable weather information. Another direction concerned the challenging approach to future multifunctional phased array radar for air traffic control and providing comprehensive weather data.
- Papers on remote sensing of the Earth considered current researches on polarimetry and high resolution radar imaging. Radar observations of snow cover from space-borne carriers over Russia, Ukraine and Iran were discussed.
- Last achievements in radar theory and technology were considered, low cost airborne SAR was demonstrated, important results on automotive radar network were presented, as well as new ideas in signal processing were discussed.
- Interesting results also concerned: new antenna developments, optimization and applications in EU, Japan and Ukraine; UWB signals and through obstacle detection; new source of femto-second wave packages; passive and semi-passive systems applications.

IEEE, URSI and EuMA Contribution

- IEEE GRSS provided technical sponsorship as well as URSI, EuMA and other institutions.
- MRRS 2005 was announced in IEEE GRSS Newsletter #135, June 2005 and EuMA Proceedings, Vol.1, Issue 1, March 2005.
- Local IEEE Joint Chapters (East Ukraine and Central Ukraine) provided technical support.
- Prof. Dusan Zrnic, Life Fellow IEEE GRSS gave impressive invited talk.
- Profs. Alex Nosich, IEEE Fellow, Antti Raisanen, IEEE Fellow, Leo Ligthart, IEEE Fellow, Jozef Modelski, IEEE Fellow, and other IEEE persons served as TPC members.



The MRRS 2005 Proceedings is a book of 350 pages, ISBN 966-8550-28-5

World Congress Opening Ceremony



Sessions

Guy
Vandenbosch



Dusan Zrnic
IEEE
Life Fellow



Felix
Yanovsky



Students



Hermann
Rohling



One of
two
session
rooms



H. Russchenberg (TU-Delft, The Netherlands) and D. Zrnic (NOAA, USA) with Ph.D. Students from NAU (Ukraine), MRRS presenting authors

Lunch



NAU



Welcome party

Alex Nosich
IEEE East
Ukraine
Joint
Chapter

SEE YOU IN KIEV!

MRRRS

Microwaves, Radar and Remote Sensing



**Next MRRRS is planned to be held
September 2008**

Kiev

National Aviation University