



БелИСА



EaPPLUS
Eastern Partnership



DIASPORA WORKSHOP ON QUANTUM TECHNOLOGIES
WITHIN ICQOQI'2017, THE XV INTERNATIONAL CONFERENCE
ON QUANTUM OPTICS AND QUANTUM INFORMATION
21 November 2017, Minsk, Belarus

AGENDA

14.00 – 16.00

Invited talks of the 4 distinguished EU experts - representatives of Belarusian scientific diaspora, Session Tu21C(C) “Scattering and Communication”,

Venue: BELARUS Hotel, 15 Storozhevskaya str., 2nd floor

Moderator: Dr. Dmitry Horoshko, Institute of Physics NAS (Belarus)

Practical multi-partite secure quantum communication using homodyne detection
Prof. Natalia Korolkova, University of St. Andrews (UK)

Photons in one-dimensional structures

Prof. Vladimir Gritsev, University of Amsterdam (Netherlands)

Quantum effects in strong field QED

Dr. Oleg Skoromnik, Max Planck Institute for Nuclear Physics (Germany)

Potential of adaptive optics to counteract entanglement degradation of twisted photons in atmospheric turbulence

Dr. Vyacheslav Shatokhin, Institute of Physics, Albert-Ludwigs University of Freiburg (Germany)

16.20 – 18.30

Round table: presenting the international cooperation experiences and discussing prospective topics and instruments over a cup of tea

Venue: MOSCOW House, 86, Kommunisticheskaya str. (next to BELARUS hotel), Red Hall (1st floor)

Moderators: Dr. Dmitri Mogilevtsev, Institute of Physics & Ms. Olga Meerovskaya, BelISA

Tour-de-table

Ms. Olga Meerovskaya, BelISA, EaP PLUS partner, H2020 Coordinator in Belarus:

- EaP PLUS project and its instruments to support Belarus – EU cooperation at the level of research teams
- Promising niches for collaboration on quantum technologies in H2020 in 2018-2020 and available instruments

Participants, both diaspora representatives and local researchers from academic sector and industry with up to 10-15' oral presentations on the following topics:

- overview of the recently completed and ongoing international projects that



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 692471.

- may provide basis for new applications,
- specific challenges or concrete project ideas that could be jointly implemented in H2020, COST or other fora

Discussion of prospective topics and instruments (all participants)

Questions for guiding the discussion:

- Do you in principle consider Horizon2020 is worth to put some efforts in?
- Are there any alternatives for funding international cooperation in your countries that provide funding for BY legal entities?
- Which are usual forms of cooperation between local and diaspora researchers?
- Have you realized prospective niches for joint participation in 2018-2019 calls? Will you think of applying?
- R&D (RIA) and innovation projects (IA) *vs* mobility and networking projects (MSCA RISE, COST)
- Which benefits you see for your organizations in “light” schemes, e.g. RISE, COST?

Wrap-up and closure



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