



International Conference



**Electron, Positron, Neutron and X-ray
Scattering under External Influences
&
G. A. Askaryan International School**

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**October 16 – 22, 2017
Yerevan – Meghri – Armenia**

Organized by

The Institute of Applied Problems of Physics, National Academy of Sciences of Armenia

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CONFERENCE TOPICS:

- Gharibian and optical transition radiations, Cherenkov radiation, PXR and the control of their characteristics
- Electron–positron pair creation in crystals in the presence the acoustic fields
- Diffraction radiation, quantum radiation and Smith–Purcell effect under the external influences
- Bremsstrahlung and channelling radiation in periodic media at the external superlattice
- X–ray, neutron and proton diffraction under the external influences
- Interaction of particle beams with artificial structures (acoustic superlattices, metamaterials, etc.)
- Time–spatial control of working parameters of plasma by acoustic fields
- Ion implantation under the acoustic influences
- Development of new principles and methods of research and application of radiation and charged particle beams, creation of new science–based devices.

<i>Institute of Applied Problems of Physics NAS RA</i>	<i>State Committee of Science MES RA</i>	<i>Young Scientists Support Program</i>
		

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Tentative title of a paper:

The registration of the participants will begin on October 15, 2017 (8.00 – 20.00) in the Institute of Applied Problems of Physics, National Academy of Sciences, bld. 25, Hr. Nersisyan str., Yerevan 0014, Republic of Armenia.

Registration and Conference Fee

The conference registration fee will be 350 Euros and must be paid in cash at the registration desk. It includes costs for local transportation, welcome party, coffee – breaks, conference materials (documentation & conference programme) and conference dinner.

Important dates

15.08.2017– deadline for notification of participation

01.09.2017 – deadline for abstract submission

Scientific secretary:

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