



Second Announcement
XIV International Symposium
"RREPS-23"
and
VIII International Conference
"Meghri-23"

September 18-22, 2023, **Tsaghkadzor**, Armenia



**Radiation from Relativistic Electrons in Periodic Structures &
Electron, Positron, Neutron and X-ray Scattering under External Influences**

**Organized by the Institute of Applied Problems of Physics NAS of the Republic of Armenia
and Yerevan State University, Republic of Armenia**

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SYMPOSIUM TOPICS

- **A. e^-/e^+ beams interaction in solids**
General Properties of Radiation from Relativistic Particles
Transition Radiation, Cherenkov Radiation
Parametric X-ray Radiation, Channeling Radiation,
Diffraction Radiation, Smith-Purcell Effect
Coherent Bremsstrahlung and Electron-Positron Pair Creation in Crystals
- **B. X-ray and neutron scattering in crystals**
X-ray and Neutron Scattering under the External Influences
X-ray and Neutron Imaging
X-ray and Neutron Small Angle Scattering
X-ray Based Optics and Diffractometry
- **C. e^-/e^+ , X-ray, THz, and neutron based applications**
Interaction of Particles Beams with Artificial Structures
Control of Parameters of Plasma by Acoustic Superlattices
Radiation Processes and Material Science
Novel Positron Sources
THz generation and applications

SYMPOSIUM LANGUAGE: English

Important dates:

Registration opens:	from March 28 to July 15, 2023
Abstracts submission by:	July 15
Request for student support grant by:	July 15
Hotel reservation by:	September 1

Preliminary timetable

Date	Morning	Afternoon	Evening
Sunday, Sept., 17	Arrival		Welcome Party
Monday, Sept., 18	Registration, Opening and Plenary Session	Oral Session	Poster Session
Tuesday, Sept., 19	Oral Session	Oral Session	Poster Session
Wednesday, Sept., 20	Oral Session	Excursion	Excursion
Thursday, Sept., 21	Oral Session	Oral Session	Symposium Dinner
Friday, Sept., 22	Oral Session	Closing	Departure
Saturday, Sept., 23	Departure		

Abstracts

Those wishing to present a contribution(s) should submit an Abstract(s) electronically to "RREPS-23" and "Meghri-23" Organizing Committee before July 15, 2023.

Guidelines: one page Microsoft Word, Times New Roman 14 pt., the title centered at the top of the page (bold type), one empty line, author's names (centered), affiliation and complete address (centered), one empty line, text of abstract. The name of the person presenting the contribution should be underlined and supplied by e-mail address (in footnote). Margins of 2.5 cm should be applied. Tables and black and white figures or drawings are possible, if unavoidable. Final version in the Book of Abstracts will be reduced to A5 format. The Program Committee will decide about the acceptance of contributions by August 1, 2023. The authors will be informed about acceptance (oral or poster) of their contributions after August 1, 2023. The information concerning a poster format will be available on the symposium website.

Proceedings

The Materials of "RREPS-23" and "Meghri-23" symposium will be published as a topical issue of the peer-reviewed Journal of Instrumentation (JINST). The Materials should be submitted for publication in the Proceedings of "RREPS-23" and "Meghri-23" symposia a month after the conference directly to the journal. Instruction on the submission procedure with the open date and the deadline will be distributed shortly after the symposia and will be available on <http://rreps.tpu.ru> and <https://conference.iapp.am> websites. The papers are scheduled to be published in the beginning of 2024.

Transportation and accommodation

Accommodation will be arranged at the Yerevan State University Hotel in Tsaghkadzor (45 km from Yerevan). Accommodation conditions and prices can be found on the website. Student's accommodation (double or triple rooms) with some discount will be available (upon request). Please reserve rooms at registration (the cost will include lunches and dinners). Transportation from/to Zvartnots airport will be provided by the "RREPS-23" and "Meghri-23" Organizing Committee.



General Information

The Symposium "RREPS-23" and "Meghri 23" will be followed by the International Scientific School for young scientists and students named after G.A. Askaryan 24 - 27 September, 2023 in Meghri (<https://conference.iapp.am>).

Symposium Fees

The registration fee is 400 Euro for participants (150 Euro for accompanying persons). The registration fee for participants covers a copy of the Book of Abstracts, Symposium programme, Coffee-breaks, Welcome party, Excursion, Symposium Dinner and Transportation from/to the airport. The registration fee for accompanying persons covers Welcome party, Excursion and Symposium dinner, transportation from/to the airport.

The participants can pay the symposium fee by bank transfer (requisites will be provided upon request) or at the registration desk in cash (no credit cards).

Limited funds will be available for young scientists and students. The applicants must register at the symposium, submit an abstract and send a request for support along with a recommendation letter from their supervisor to the Organizing Committee by **15 July 2023**.

Visa

- To enter the country you need a visa. Armenia has contracts on mutual visa-free visits with the CIS member states (without invitations), as well as with most of the European countries.
- The Russian citizens enjoy visa-free visits to Armenia.
- To enter the country they need documents necessary for leaving abroad such as diplomatic and official passports, national passport of a Russian citizen, the so called foreign passport identifying his person outside of the country, mariner's passport whose validity should be at least 3 months after they have departed from Armenia. Consular fees are not required.
- The visa is issued at the point of crossing the border or at the airport.
- The duration of the visa to Armenia is 90 days.
- For more detailed information visit <http://www.mfa.am/en/visa/>.



Registration

The participants have to register electronically by filling in the Registration Form on "RREPS-23" and "Meghri-23" website at <https://indico.cern.ch/event/1264043/> by **15 July, 2023**.

Social program

Welcome Party will be held on Sunday, September 17, at 7:30 p.m.

Symposium Dinner

The Symposium dinner will take place on Thursday, September, 21 in the Restaurant in Tsaghkadzor.

Excursion

The symposium excursions include the most beautiful and famous sites of Armenia. Dilijan city is located at north-east forest site of Armenia. It is separated from the rest of Armenia by the Pambak ridge. A long tunnel connects Dilijan with the rest of the country. This resort corner of Armenia is about 1258-1510 meters above the sea level, is hidden in a canyon, and is split by the river Aghstev. The city will captivate you with a picturesque beauty and a soft climate. The key gem of the place is the Haghartsin monastery hidden in a side valley and surrounded by a lush forest.



Haghartsin is an ancient monastery in Tavush province of Armenia. The monastery complex was founded in X-XIII centuries and consists of several churches of St. Gregory, Holy Mother of God, and St. Stepan. The complex is a clear demonstration of harmony between the nature and the architecture.



Sevan Lake is the only source of still water in Armenia and the largest across the entire Caucasus. Sevan is located in a kind of mountain bowl, about 2 km above the sea level, and surrounded by craters of sleeping volcanoes. Sevan is an interesting historical place. The lake shores accommodate ancient Armenian monasteries Sevanavank and Airivank, and the largest Khachkar cemetery in Noratus village.

Excursion to Yerevan will be organized for accompanying persons.

FOR FURTHER INFORMATION, PLEASE CONTACT:

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