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IAEA Activities in support of research and applications using synchrotron-light facilities and increasing their transnational cooperation.

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Sotirios Charisopoulos, Danas Ridikas, Alessandro Migliori

Physics Section, Division of Physical and Chemical Sciences
Department of Nuclear Sciences and Applications, International Atomic Energy Agency
Vienna International Centre, PO Box 100, A-1400 Vienna, Austria

Promotion of nuclear applications for peaceful purposes and related capacity building is among the missions of the IAEA. Hereby, accelerator applications is one of the thematic areas, where the IAEA supports its Member States in strengthening their capabilities to adopt and benefit from the usage of accelerators, including synchrotron light sources. For this purpose, the IAEA Physics Section implements various activities to enhance utilization of light sources by enabling facility access for scientists from developing countries through bilateral as well as Collaborating Centre agreements with a number of light sources and through technical support granted through the Technical Cooperation Program.

In this context, the IAEA has recently approved the five-year Interregional TC project INT0104 "Increasing Transnational Cooperation between Light Sources and Diversifying the User Base." This project aims to broaden geographical access to synchrotron light sources and enhance technical expertise among Member States. By fostering collaboration and knowledge exchange, it seeks to empower developing Member States to address industrial and technological challenges, thereby strengthening educational institutions, economies, social structures, and global competitiveness.

A report on IAEA's activities in support of research and applications using synchrotron-light facilities and increasing their transnational cooperation will be presented.

Primary author: CHARISOPOULOS, Sotirios (IAEA)

Presenter: CHARISOPOULOS, Sotirios (IAEA)

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