



Contribution ID: 32

Type: **Oral Presentations**

## **Kurchatov synchrotron: present state and upgrade program**

*Tuesday, 17 November 2015 09:30 (20 minutes)*

Synchrotron source of NRC "Kurchatov Institute" has a long story. It was found as a light source for microelectronic production later it was transformed into scientific facility. Years of development led to multidisciplinary scientific institution. The upgrade Phase-I gave possibility extend experimental hall and supporting labs, install new, modern beamlines and insertion devices. During the years 2007-2010 Kurchatov synchrotron was the fetus of the NBICS-Center, center for converging technologies in Nano-Bio-Informative-Cognitive- Social sciences and humanities.

At the present date the synchrotron organize annually 2-3 national and international conferences, accept every year many users from all over the Russia and some international ones. The ongoing stage of upgrade is the construction of 10 new beamlines, including beamlines for soft regime.

The launch of CREMLIN (Connecting Russian and European Measures for Large-scale research Infrastructures) project – will push forward development of Russian synchrotron community.

**Primary author:** Dr SENIN, Roman (NRC "Kurchatov institute")

**Co-authors:** Dr BLAGOV, Alexander (NRC "Kurchatov institute"); Dr MUKHAMEDZHANOV, Enver (NRC "Kurchatov institute"); Prof. KOVALCHUK, Mikhail (NRC "Kurchatov institute"); Dr EM, Victor (NRC "Kurchatov institute"); ZUBAVICHUS, Yan (NRC "Kurchatov institute")

**Presenter:** Dr SENIN, Roman (NRC "Kurchatov institute")

**Session Classification:** Scientific Talks

**Track Classification:** Main