

GI-MS45-03 | EDUCATION FOR NEW SYNCHROTRON SOURCES: AN INTERDISCIPLINARY MASTER PROGRAM OF THE NOVOSIBIRSK STATE UNIVERSITY

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Synchrotron radiation facilities are no longer “exotic” experimental tools for many researchers. A network of synchrotrons already covers Europe, North and South Americas, Asian countries and is widely used by a highly international scientific community. Construction of new synchrotrons in other geographical regions is planned. In particular, three new synchrotrons are planned to be constructed and subsequently used in Russia, including the one of the three (SKIF) to be located in Novosibirsk region.

One of the problems related to constructing the synchrotrons in new regions is to educate a broad enough research community, so that sufficient number of efficient users of these facilities appears, who can submit high-level proposals which are adequate to the level of the unique instruments, perform experiments, process and interpret data. Not only technical support engineers, but also beamline scientists and educated users are needed. Here I share the first experience of launching an interdisciplinary Master program at the Novosibirsk State University aimed at preparing a new generation of researchers who can deal with problems at the borderlines between Physics, Chemistry, Biology, Planetary Sciences, Cultural Heritage and other research field.

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