

e-ASIA Joint Research Program (e-ASIA JRP)
Joint Research Project in the field of “Materials (Nanotechnology)”
on the topic of “Functional Bio-Nanotechnology for Innovative Materials System”.

It is our great pleasure to announce the selected project of the e-ASIA Joint Research Program (e-ASIA JRP)*1 6th Call for Proposals in the field of “Materials (Nanotechnology)” on the topic of “Functional Bio-Nanotechnology for Innovative Materials System”.

A total of 18 proposals was submitted in response to the 6th joint call for proposals. After careful consideration based on the peer review results by the 6 funding organizations from 6 countries participating in the call*2, the 1 collaborative project were additionally selected for support with the approval of the e-ASIA JRP Board in addition to the 2 projects previously announced and 3 collaborative projects in total were selected for support from this call for proposals. Support to the projects will continue for three years.

“Fundamental study of the physical properties of metal-oxide single nanowires and nanoparticles for bio-nano-sensing” to be conducted jointly by:

Russia: Victor Koledov, Doctor, Magnetic phenomena Laboratory, Kotel’nikov Institute of Radioengineering and Electronics of Russian Academy of Sciences
Myanmar: Than Zaw Oo, Doctor, Department of Physics, Panglong University
Philippines: Gil Nonato Santos, Professor, College of Science, De La Salle University- Manila
Vietnam: Vu Hong Ky, Senior Researcher, Lab of Materials Science, Institute of Materials Science of Vietnam Academy of Science and Technology

This research aims to study size effects for individual metal-oxide nanoparticles and nanowires using new mechanical 3D nanomanipulation methods based on smart materials nanotweezers and search for new physical effects and applications.

On behalf of the e-ASIA JRP, we would like to offer our sincerest congratulations to the project teams, and look forward to the significant impact their results will bring to the energy situation of the future.

*1 The e-ASIA Joint Research Program (e-ASIA JRP)

Through the acceleration of science and technology research exchange and collaboration in the East Asian region, the e-ASIA Joint Research Program (e-ASIA JRP) aims to strengthen research and development capabilities towards resolution of shared challenges across the region, including those associated with materials, alternative energy, agriculture, health research, disaster risk reduction and management, advanced interdisciplinary research towards innovation, and environment. As part of that objective, the e-ASIA JRP is intended to support collaborative research

implemented among 3 or more of its member countries. Through the implementation of joint research among participating countries in agreed fields of research, it is the goal of the e-ASIA JRP to contribute to economic and human resource development, as well as the resolution of various challenges in the region.

e-ASIA JRP's homepage: <http://www.the-easia.org/jrp/>

*2 The list of organizations participating in the 6th joint call for proposals in the field of "Materials (Nanotechnology)":

- Japan Science and Technology Agency (JST), Japan
URL: <http://www.jst.go.jp/EN/index.html>
- Ministry of Education (MOE), Myanmar
URL: <http://www.moe.gov.mm/en/>
- Department of Science and Technology (DOST), The Philippines
URL: <http://www.pchrd.dost.gov.ph/>
- Russian Foundation for Basic Research (RFBR), Russia
URL: <http://www.rfbr.ru/rffi/eng/>
- National Science and Technology Development Agency (NSTDA), Thailand
URL: <https://www.nstda.or.th/en/index.php>
- Ministry of Science and Technology (MOST), Vietnam
URL: <https://www.most.gov.vn/en/Pages/home.aspx>

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