

NESTER "Networked Embedded and control Systems Technologies for Europe and Russia"

The proposed project NESTER will focus on the identification of collaboration priorities between Russia and Europe in the field of networked embedded and control systems and the set-up of such collaborations. The project will base its analysis on industrial vertical sectors needs such as manufacturing and process plants, distributed energy production, energy distribution, airports or seaports etc. A preliminary analysis will identify the four priority sectors for cooperation. Based on the selection results, 4 “cooperation hubs” will be created through the set-up of 4+4 contact points for promotion of cooperation opportunities, both in Europe and Russia. These contact points will become the main project “root servers” among industrial sectors and will be ‘project network animators’ while also providing their expertise in the establishment of longer term recommendations. Developing common ontology, the NESTER project will screen the Russian and European competences in the field of Networked Embedded and Control Systems and map the collaboration opportunities by the cross-comparison with industrial demands. The building of a EU-RU network opened to scientists, researchers, academics, industrials, experts, and policy makers will support a constructive dialogue between Russia and European Union and will incite new ideas, concepts and technologies that will maximize knowledge in the field of Networked Embedded and Control Systems. NESTER will organise two events in Europe and in Russia in order to allow experts to promote their activities, to increase the visibility of the project’s results, and to select longer-term cooperation priorities. Taking full advantage of current trends in research cooperation thinking, NESTER is the impetus for future European international cooperation. NESTER is thus a flexible response to cooperation policy requirements and a great opportunity to build cooperation between Russian and European research driven by the industrial needs.

EECI is coordinator of Work Package 2: "Analysis of sectors propensity to exploit networked embedded and control systems", which aims at:

- Analyzing ten industrial sectors
- Identifying four industrial sectors for applied EU-RU networked embedded and control systems (NECS) research
- Identifying 8 NECS “contact points” (4 EU and 4 RU) in four selected industrial sectors.