

QUESTIONNAIRE

(*) – mandatory fields

	Details about organization
* Organization name	Research Division of Belarusian National Technical University
Organisation acronym	NICH BNTU
* Organization Activity Type (RES - Research, HE - University, SME - Small and Medium Enterprise, IND - Industry, OTH - Other)	RES
* Keywords of main research areas	GRID, mechanics, fracture, computation, quantum chemie
* Head of organization (first name, family name)	Fiodar Ramaniuk
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* Fax (+ country & city codes)	+375(17) 331-36-17
* E-mail	dsmsm@bntu.by

* Description of organization and its research achievements for the last five years (~ 5000 signs)
<p>The Belarusian National Technical University (BNTU) is leading institution in higher technical education of the Republic of Belarus, offering advanced educational programs in Engineering, Technology, Natural Sciences, Architecture, and Business Administration. The University is of high potential of professor staff which includes about 1600 members teaching more than 25000 students. BNTU provides 60 % of the country's needs for the engineering staff in mechanical engineering, 90 % – in power engineering and metallurgy, 70 % – in building and construction, 90 % – in architecture. The main research staff and activities are concentrated at the Research Division of BNTU (NICH BNTU) consisting of 44 scientific laboratories and units. NICH BNTU is independent research organization. The basic directions of its scientific investigations are: resource saving technology in mechanical engineering, material sciences, metallurgy, construction, power engineering; automobile and tractor construction, transport communications; city planning and road construction; telecommunication and computer facilities; instrument-making; industrial ecology. NICH BNTU activities in IT area include solution of problems of the development of systems and technologies improving productivity of information flow processing in local and corporate networks; investigation and development of hardware, software and middleware means of information protection; network communication protocols; information technologies for application in power engineering and construction; software for the automated solution for costs of manufacture processes. GRID technologies will support all activities of NICH BNTU and help it to share the European scientific and research area.</p>

	Contact Information
* Contact person (first name, family name)	Ihar Miklashevich
* Department / Laboratory	Laboratory of System Dynamics and Material Mechanics
* Position	Head of Laboratory
* Qualification and research experience	D.S. mult, >15 years
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International co-operation / Participation in EU RTD programmes or other bilateral / multilateral actions
INTAS, TACIS, TEMPUS, COST, EUREKA, other RTD programmes (please specify programme/s, project title/s and year/s)
FP 7 project "Baltic GRID II", 2008-2010 Bilateral Project "SKIF-GRID", 2008-2010

	* Please, use "X" to indicate the scientific area/s of your potential project
CHEMISTRY	
SOCIAL AND HUMAN SCIENCES	
ECONOMIC SCIENCES	
ENGINEERING SCIENCE	X
ENVIRONMENT	
AGRICULTURE AND FOOD	
HEALTH	
MATHEMATICS	X
INFORMATION SCIENCE	X
PHYSICS	X
NANOTECHNOLOGIES	X
ENERGY	
TRANSPORT	
SPACE	

* Summary of potential research project envisaged hosting of European researcher for the period of between 1 and 2 years

To develop the methods of high-productivity computing by the using of GRID technologies for the geomechanical modeling on the base of metric representation of earth continua.

	Please, confirm your agreement on data publication and dissemination
I agree with the publication of the data on the web-site http://www.inco-ecca.net , and dissemination among Mobility National Contact Points of the EU MS and AC (YES / NO)	YES
Date	05 August 2008