

## QUESTIONNAIRE

(\*) – mandatory fields

<b>Details about organisation</b>	
<b>* Organisation name</b>	Institute of Mechanical Engineering Russian Academy of Sciences
Organisation acronym	IPME RAS
<b>* Organisation Activity Type</b> ( <b>RES</b> - Research, <b>HE</b> - University, <b>SME</b> - Small and Medium Enterprise, <b>IND</b> - Industry, <b>OTH</b> - Other)	RES
<b>* Keywords of main research areas</b>	Nanotechnology Optoelectronic Sensor surface Intellectual & functional material Computer modeling
<b>* Head of organisation (first name, family name)</b>	Mr. Dmitriy Indeytsev
<b>* Post code</b>	199178
<b>* Country</b>	Russia
<b>* City</b>	St.-Petersburg
<b>* Street, House</b>	Vasilievskiy Ostrov, Bol'shoy av. 61
<b>* Telephone (+ country &amp; city codes)</b>	+7 812 3214778
<b>* Fax (+ country &amp; city codes)</b>	+7-812 3214771
<b>* E-mail</b>	<a href="mailto:ind@director.ipme.ru">ind@director.ipme.ru</a>

<b>* Description of organisation and its research achievements for the last five years (~ 5000 signs)</b>
<p>Creation of principles of molecular neurocomputers &amp; sensor surfaces designing            Research of processes of homofractal structures forming in porous silicon            Offer &amp; research of composition polymer material containing nano scope elements            Offer of four methods of programming change of sensor nano structuring surface properties            Creation of computer models of processes of forming of nano structures</p>

<b>Contact Information</b>	
<b>* Contact person (first name, family name)</b>	Prof. Andrey Gorodetsky
<b>* Department / Laboratory</b>	The Laboratory of Methods & Systems of Automation
<b>* Position</b>	Head of laboratory
<b>* Qualification and research experience</b>	Professor, Doctor of Science (Engineering Sciences) - awarded in 1993 by St.Petersburg. Institute of Accurate Mechanics and Optics

* <b>Post address (house, street, city, code, country)</b>	199178, V. O., Bol'shoy av. 61, Saint-Petersburg, Russia
* <b>Telephone (+ country &amp; city codes)</b>	+ 7 (812) 217 09 63
* <b>E-mail</b>	<a href="mailto:gae@msa2.ipme.ru">gae@msa2.ipme.ru</a>

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

* <b>Summary of potential research project envisaged hosting of European researcher for the period of between 1 and 2 years</b>
<p>Creating &amp; researching of molecular neurocomputers &amp; sensor surfaces</p> <p>Results:</p> <ul style="list-style-type: none"> <li>- new nano scope functional elements</li> <li>- composition polymer material containing nano scope elements</li> <li>- homofractal structures for molecular neurocomputer</li> <li>- methods of programming change of sensor nano structuring surface properties</li> <li>- computer models of processes of forming of nano structures</li> </ul>

	<b>Please, confirm your agreement on data publication and dissemination</b>
<b>I agree with the publication of the data</b> on the web-site <a href="http://www.inco-ecca.net">http://www.inco-ecca.net</a> , and <b>dissemination</b> among Mobility National Contact Points of the EU MS and AC <b>(YES / NO)</b>	YES