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Association of the Republic of Moldova to the EU Research Programme

The European Union and Moldova have forged closer ties on research and innovation on October 11, 2011. Máire Geoghegan-Quinn, European Commissioner for Research, Innovation and Science and Gheorghe Duca, President of the Academy of Sciences of the Republic of Moldova, have signed a Memorandum of Understanding for the

its GDP. The Republic of Moldova will be the 14th country associated to FP7.

Increased sectorial cooperation with Moldova and the other countries of the Eastern Partnership and the broader European Neighbourhood Policy region, through the facilitation of their participation in EU programmes, is a key aspect of the recent communication 'A New Response to a Changing Neighbourhood' issued jointly by the High Representative of the Union for Foreign Affairs and Security Policy and the European Commission. FP7 will be the first EU programme in which the Republic of Moldova will participate fully. The Republic of Moldova will also be the first Eastern Partnership country and the second European Neighbourhood Policy country to be associated with FP7.



Association is the strongest form of international cooperation in research and innovation between non-EU

association of Moldova to the EU's Seventh Research Framework Programme (FP7). This will allow Moldovan scientists, research institutes, universities and companies to collaborate with their counterparts across Europe in key research areas, while strengthening their own research expertise and capacity. In practice they will compete for research funding on an equal footing with counterparts in EU Member States. In return Moldova will make a contribution to the overall FP7 budget, calculated on the basis of

countries and the EU. The Republic of Moldova will become formally associated to FP7 from 1st of January 2012. In practical terms Moldovan researchers can already participate fully in all FP7 calls which are currently open, as these draw on the budget for the 2012 financial year. The other countries associated to FP7 are: Albania, Bosnia and Herzegovina, Croatia, the Faroe Islands, FYROM, Iceland, Israel, Liechtenstein, Montenegro, Norway, Serbia, Switzerland and Turkey.

Source: http://ec.europa.eu/research/iscp/pdf/moldova_association_fp7.pdf

PROJECT EVENTS

Training Course on Nano-Bioengineering-2011

Chisinau, Republic of Moldova

September 15, 2011 – April 30, 2012



students to update their knowledge in nano-bioengineering, biomaterials and biocompatibility. Lectures are presented by professors and researchers from consortium partners, including: Hannover Medical School (Germany), Center for Device Thermography and Reliability (Bristol), Technical University of Moldova, University of Medicine and Pharmaceuticals of Moldova and Institute of Electronic Engineering and Nanotechnologies of the Academy of Sciences of Moldova.

The Course which commenced on September 15, 2011, in Chisinau, Moldova, is a unique opportunity for junior researchers, MSc and PhD

This Training Course of 250 hours is addressed to PhD and MSc students as well as young researchers who study solid state physics and



electronics, microelectronics and nanoelectronics, biomedical engineering, biology, medicine and related fields, coming both from the academic laboratories and from the SMEs and industrial companies.

The Course will continue till end of April 2012 and is part of the MOLD-ERA activities.

For more information on the course, please visit <http://mold-era.eu/15-09-11/training-course-nano-bioengineering-2011>

Second round of MOLD-ERA Training Workshops

Chisinau, Republic of Moldova

November 14-16, 2011

November 21-23, 2011

The second round of training workshops on FP7 was organized in Moldova in November 2011. These events follow the first successful round of workshops held in June-July 2011 attended by over 60 representatives of the scientific community and academia. The aim of these workshops is to ensure a more efficient and practical understanding of FP7 rules and regulations and to increase success in submitting FP7 proposals.

The training focused on proposal writing, ethical aspects, financial issues and best practices, delivered by EFP Consulting (Israel), who are one of the MOLD-ERA partners and have a vast experience in training on different aspects of the Framework program including Proposal writing and Financial rules and regulations. EFP Consulting runs the Finance Helpdesk (www.finance-helpdesk.org)

Participants in the training were about 60 representatives of: the scientific community and academia, universities, SMEs and industrial companies.



International Conference on Nanotechnologies and Biomedical Engineering (ICNBME-2011)

Chisinau, Republic of Moldova

July 3-7, 2011

The International Conference on Nanotechnologies and Biomedical Engineering (ICNBME-2011) was held in premiere in Chisinau, Republic of Moldova on 7-8 July 2011, bringing together 150 participants from 17 countries, including Germany, France, Great Britain, Spain, Switzerland, USA, Japan, Israel, Romania, Russia, Ukraine, Moldova, etc.

The participants at the event - physicists, chemists, electronic engineers, medical doctors, ICT professionals - discussed the latest achievements in research and applications in the fields of nanotechnologies, nanomaterials and biomedicine. This event was aimed at boosting the exchange of information and initiation of new scientific projects at the intersection of nanotechnology and biomedical engineering.

The International Scientific Forum was opened by Ion Tiginyanu, Vice-President of the Academy of Sciences of Moldova and manager of the FP7 MOLD-ERA project.

The ICNBME-2011 was organized by the Academy of Sciences, State University of Medicine and Pharmaceuticals "Nicolae Testemitanu", Technical University of Moldova and the

Moldovan Society of Biomedical Engineering. It also served as an excellent opportunity for disseminating information about the MOLD-ERA project, its goals and achievements.

The event was attended by scientists, businessmen and representatives of sponsors. It had a significant resonance in the local mass-media, promoting nanotechnologies and achievements of Moldovan researchers.





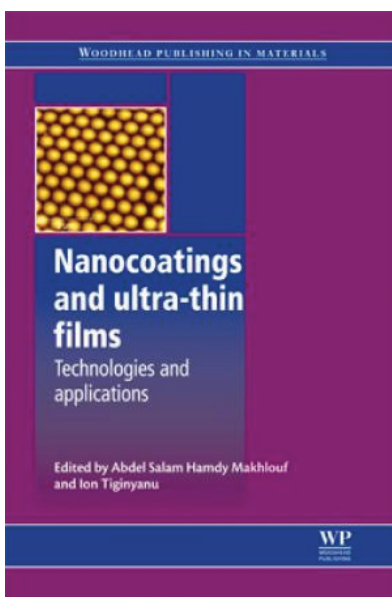
PROJECT NEWS

Catalogue of research groups from Republic of Moldova - now available online

Fostering international scientific cooperation is one of the main goals promoted by the Moldovan scientific community during the last few years. The Catalogue of Research Groups from Moldova has been published in the framework of a project titled "Establishment of an infrastructure which encourages the efficient participation of the scientific community from Moldova in the Seventh Framework Programme".

Hopefully this publication will boost the establishment of collaborative links with Moldovan researchers.

To download the catalogue, please visit <http://mold-era.eu/21-09-11/catalogue-research-groups-republic-moldova-now-available-online>



Collaboration of Germany and Moldova resulted in the monograph "Nanocoatings and ultra-thin films: Technologies and applications"

The monograph "Nanocoatings and ultra-thin films: Technologies and applications" was edited by Abdel Salam Hamdy Makhlouf from Max Planck Institute of Colloids and Interfaces (Germany) and Ion Tiginyanu from the Institute of Electronic Engineering and Nanotechnologies of the

The monograph provides an up-to-date review of the fundamentals, processes of deposition, characterisation and applications of nanocoatings. It focuses on the applications of nanocoatings and ultra-thin films, covering topics such as nanocoatings for architectural glass, packaging applications and ultra-thin membranes for sensor applications.

The work includes chapters on current and advanced coating technologies in industry, nanostructured thin films from amphiphilic molecules, chemical and physical vapour deposition methods and methods for analysing nanocoatings and ultra-thin films.

With its distinguished editors and international team of contributors, Nanocoatings and ultra-thin films is an essential reference for professional engineers in the glazing, construction, electronics and transport industries, as well as all those with an academic research interest in the field.

Source: <http://www.woodheadpublishing.com/en/book.aspx?bookID=2064>

Academy of Sciences (Moldova).

Coatings are used for a wide range of applications, from anti-fogging coatings for glass through to corrosion control in the aerospace and automotive industries. Nanocoatings and ultra-thin films provides an up-to-date review of the fundamentals, processes of deposition, characterisation and applications of nanocoatings.



Diaspora Network – the online platform designed for researchers originating from Moldova has officially launched

[REGISTER](#) TO BE PART OF THIS COMMUNITY

DIASPORA NETWORK
MOLDOVAN SCIENCE COMMUNITY

„Diaspora Network” is an electronic platform designed for researchers and high qualified specialists from the Republic of Moldova that work abroad or in Moldova and are willing to create an open space of knowledge, communication and cooperation.

The Platform can be used for:

1. Finding partners in order to develop joint research and innovation projects.
2. Promoting professional and research achievements in the Republic of Moldova and abroad.
3. Publishing recent advertisements on vacancies, conferences, public presentations, publications, projects etc.





4. To receive information regarding opportunities published by other members of the Platform.
5. Sharing opinions on the latest evolutions in R&D in the Republic of Moldova and abroad.
6. Participation in discussions related to strategic documents on R&D.
7. Dissemination of various information useful for the scientific community.

To register in the Diaspora network, please visit <http://international.asm.md/component/comprofiler/register.html>

For additional information, please visit <http://international.asm.md/ds/diaspora-network.html> or contact diaspora@asm.md.

MOLD-ERA partners



Institute of Electronic Engineering and Nanotechnologies, Republic of Moldova
www.iieti.asm.md

The Institute of Electronic Engineering and Nanotechnologies (IEEN) is a leading research institution of the Republic of Moldova in the fields of nanotechnologies and electronics for medicine. It edits two scientific journals, namely Moldavian Journal of the Physical Sciences (in English) and Physics and Modern Technologies (in Romanian). The Institute collaborates closely with universities and research centres from Germany, UK, France, Poland, Romania, USA, Russia, Ukraine etc., and currently is involved in 5 international and 12 national projects.



Technical University of Moldova, Republic of Moldova
www.utm.md

The Technical University of Moldova is the only higher technical educational institution in the Republic of Moldova. At present, the University comprises 10 faculties, the teaching-didactic and engineering staff which adds up to over 1000 lecturers. The six research centres of TUM successfully apply into practice the University's research strategy, within numerous grants and research programmes.

The National Centre for Material Study and Testing (NCMST) within the Technical University of Moldova is a leading research centre in the fields of material science and nanotechnologies. The Centre's activity is focused on the development of novel nanomaterials and nanodevices for various applications, including electronics, photonics, plasmonics, bio-medicine etc. The centre plays a major role in education of a new generation of young specialists in materials science and nanotechnologies.



EFP Consulting Ltd, Israel
www.efpconsulting.com

EFP Consulting staff has strong technical backgrounds and is involved in projects that train and assist the participation of organizations in the Framework Program. They have considerable Framework Program experience covering the technical, financial and project management aspects, and in particular are experienced in introducing the Framework Program to countries and organizations outside the older established Member States by advising and assisting on how best to become successfully involved. EFP Consulting coordinated the IST project Finance-NMS-IST which setup the Finance Helpdesk. They are partners in the Idealist FP7 project responsible for Quality Management and are also key players in several ongoing and recent projects such as LOGSEC, BOOST-IT, EPISTEP, CEEC-IST-NET and EPIST.



Academy of Sciences of Moldova, Republic of Moldova
www.asm.md

The Academy of Sciences of Moldova (ASM) is authorised with the Government's competence in the RDI field. ASM collaborates on the basis of bilateral scientific agreements with various research institutions from all over the world, as well as develops relations with international organizations such as ALLEA, NATO, BSEC, CEI, U.S. CRDF, STCU, COST and others. During FP6, and now in FP7, ASM acts as NCPs hosting institution, thus having the responsibility for coordination and promotion of Moldovan participation in the Framework Programs, for a gradual integration into the European Research Area. ASM is presently involved in several FP7 projects.



University of Bristol, United Kingdom
www.bris.ac.uk

The University of Bristol has a declared commitment to excellence in teaching and learning within an environment of internationally recognised research. The University has become a major force in the region's knowledge economy and is a key player in Bristol being announced a "Science City" in the Chancellor's 2005 Budget statement.

The Applied Spectroscopy Group and Centre for Device Thermography and Reliability (CDTR) in Bristol is leading research on properties of semiconductor materials and devices on the mesoscopic and nano scale. This work has led to a number of successful collaborations with industrial and university partners and resulted in many scientific publications and conference contributions. Research in the CDTR is supported by grants from EC FP7, UK EPSRC, EC EDA, ONR Global, DARPA and others, also by various UK, German, French and US companies.



Medizinische Hochschule Hannover, Germany
www.mh-hannover.de

The Hannover Medical School (Medizinische Hochschule Hannover, MHH), founded in 1965, is one of the world's leading university medical centres. Due to its interdisciplinary research MHH has strong collaborative links with many academic and industrial research organizations worldwide.

MHH concentrates its research activities to unravel basic mechanisms which will be, in close collaboration with clinical facilities, translated into clinical research. The main research activities focus on Transplantation and Stem Cell Research, Infection Biology and Immunology as well as Biomedical Technology. Research from the Department of Cardio-Thoracic, Transplantation and Vascular Surgery, Hannover Medical School has been awarded multiple prizes for achievements and innovations, thus representing one of the leading institutions in the field of cardiovascular tissue engineering and regeneration worldwide.

