

**January 2011**

EMVA is pleased to present this new issue of our Information Service on the FP7 European Research Programme, an exclusive new service for our members.

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**Get involved in R&D programmes and build the future, invest in R&D supported by EU funding programmes.**

Only the topics considered relevant to the EMVA members are included in this Information Service, focusing the attention on Machine Vision related issues and avoiding a disperse and unnecessarily complicated view of the FP7 Programme.

Participation on FP7 Programme is a unique opportunity for EMVA companies to lower risk and increase financial feasibility of their research activities. Co-funding from FP7 could cover for some programmes up to 75% of project cost for SMEs. Our FP7 Information Service is an excellent starting point to have access to relevant information on how and when participate in European projects. If you are looking for further information on FP7 European Research don't hesitate to contact the EMVA Secretariat.

## Section 1. OPEN CALLS

### Section 1.1- PROGRAMMES & TOPICS RELATED TO APPLICATIONS OF EMVA MEMBERS

	Measurement	Techniques in-line	Imaging Tools and methodologies	Zero-defect manufacturing quality	Cooperative machines and control systems	Safety Systems	Smart Sensor Systems	Semiconductor inspection	Medical and health devices	Manufacturing technologies	Transport technologies	Energy technologies
<b>CATRENE Programme</b>	X	X	X	X	X		X	X	X	X	X	X
<b>EUREKA's Programme Eurostars</b>	X	X	X	X	X	X	X	X	X	X	X	X
<b>FP7-PEOPLE-2011-IRSES</b>	X	X	X	X	X	X	X	X	X	X	X	X
<b>FP7-NMP-2011-EU-RUSSIA</b>			X		X		X			X		X
<b>(*)ITEA2 EUREKA</b>		X	X			X	X		X	X		
<b>MNT-ERA.NET</b>	X	X	X	X	X	X	X		X	X		

(\*) Next Open Call 15 February

## Section 1.2- OPEN CALLS GENERAL INFORMATION

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<b>OPEN CALL</b>	<b>DEADLINE</b>	<b>WEB INFO</b>	<b>NCP National Contact Points</b>
<b>CATRENE Programme</b>	3 March 2011	Call Info	National Contact Point
<b>FP7-PEOPLE-2011- IRSES</b>	17 March 2011	Call Info	National Contact Point
<b>(*)EUREKA's Programme Eurostars</b>	24 March 2011	Call Info	National Contact Point
<b>FP7-NMP-2011-EU- RUSSIA</b>	31 March 2011	Call Info	National Contact Point
<b>(*)EUREKA's Programme ITEA2</b>	1 April 2011	Call Info	National Contact Point
<b>MNT-ERA.NET</b>	5 April 2011	Call Info	National Contact Point

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*(\*)We would like to remind you that info about these Calls was included in November and December issues.*

## Section 1.3- OPEN CALLS TOPICS & OBJECTIVES

[Section 1.3.1 Open Call CATRENE Programme](#)

[Section 1.3.2 Open Call FP7-PEOPLE-2022-IRSES](#)

[Section 1.3.3 Open Call FP7-NMP-2011-EU-RUSSIA](#)

[Section 1.3.4 Open Call MNT-ERA.NET](#)

### Section 1.3.1- Open Call CATRENE Programme

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#### General Information

- The CATRENE organization is a non - profit organization funded by EUREKA.
- The scope and purpose of the CATRENE organization is to stimulate, organize and co-ordinate research and development work within the goals of the CATRENE programme executed by **CATRENE partners**. In the industry-driven CATRENE Programme, **248 partners** from **15 European countries** are working on the most advanced research challenges in micro/nanoelectronics.
- **Funding Scheme:** the partners within a consortium engaged in a CATRENE project are funded directly by the governments of their respective countries, according to national funding procedures.

It is therefore essential that you make sure that your project proposal fits within national Public authorities' priorities and **funding schemes** before you submit it to CATRENE.

- **Objectives:** the programme works in a bottom up mode. Within the frame of a **White Book**, the programme relies on the initiatives of individual R&D actors to decide in which areas proposals are put forward and implemented.

In this way projects are therefore close to industrial needs and are market - oriented.

- **Submission process:** To ensure that the selected projects will actually start on time with funding for all participating organizations, we strongly advise you to **initiate and maintain a permanent contact with your national Public Authorities from the earliest stages of the process.**

A **pre-proposal** is mandatory, with deadline on **3 March 2011**. It has to be submitted by the coordinator through an online application form available at **Catrene Website**.

- Catrene offers a web tool in case you are **looking for additional competence** for your project or in case you are **willing to join a CATRENE project**.

## CATRENE Programme Topics & Objectives

CATRENE is bottom up organized and close to the market.

CATRENE will concentrate its R&D activities in order to discover innovative solutions for key building blocks or sub - systems, specific appliances, tool and technology, equipment and material, like (non - exhaustive):

- Devices and products for automotive, transport, industry, automation and energy efficiency.
- Devices for health care and medical application.
- Devices for communication systems (One chip phone, high speed optical transceivers...).
- Sensors and actuators, MEMS.
- Design Technology (Architectures, Design Methods and Tools, EDA, TCAD, DfM, DfR, DfT...).
- More Moore and More than Moore technology development.
- Specific equipment and material development (lithography tools, SOI, SiC, etc).
- 3D technologies and associated CAD tools.

[More Info in White Book](#)

### Section 1.3.2- Open Call FP7-PEOPLE-2011-IRSES International Research Staff Exchange Scheme

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- Compared to existing Marie Curie actions, which provide mobility possibilities to individual researchers, this new action will provide **support to research organisations** to establish or reinforce long-term research cooperation through a coordinated joint programme of exchange of researchers for short periods.
- **Participants:** at least two independent participants established in at least two different Member States or associated countries, and one or more research organisations either located in countries with which the European Union has an S&T agreement, or in countries covered by the European Neighbourhood (*See chart below*).
- **Programmes:** participants will submit multi-annual proposals for joint programmes for exchanges of research staff to the Research Executive Agency. Technical and management staff may also participate in the exchanges.
- **Duration:** financial support will be provided for a period of 24 to 48 months. The duration of exchanges for each researcher or technical/management staff will be for a maximum of 12 months.
- **Mobility:** for organisations in Member States and associated countries, the mobility must be towards the other third country partners, and vice-versa.

- **Indicative budget:** EUR 30.00 million of the 2011 budget.

***Countries eligible for the International Research Staff Exchange Scheme (IRSES)***

***Countries with EU International agreements on Science and Technology:***

*Algeria, Argentina, Australia, Brazil, Canada, China, Chile, Egypt, India, Japan, Jordan, Rep. of Korea, Mexico, Morocco, New Zealand, Russia, South Africa, Tunisia, Ukraine, United States.*

***Countries of the European Neighbourhood Policy (ENP):***

*Eastern Partnership Countries: Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine and - Mediterranean Partnership Countries (MPC) that are not associated countries: Algeria, Egypt, Jordan, Lebanon, Libya, Morocco, Palestinian administrated areas, Syrian Arab Rep., Tunisia.*

### **Section 1.3.3- Open Call FP7-NMP-2011-EU-RUSSIA**

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#### **General Information**

- The **coordinated call EU-Russia** foresees twin projects to be financed by the European Union and the Russian funding agency respectively. Two calls are published – one by the European Commission according to European rules and the other by the Russian Authorities under its own rules.
- **Funding Scheme:** Small-scale focused research projects.
- **Partnership** (EU project): at least three independent legal entities, each of which is established in a Member State or Associated Country, and not two of which are established in the same Member State or Associated Country.
- Proposals which do not include coordination with a Russian project will be considered ineligible. Therefore, each EU project proposal must include (in a separate annex) reference and description of the proposal submitted for funding to the Russian Ministry of Education and Science.
- **Indicative budget:** EUR 1.5 Million per topic by EU - NMP Theme.  
The Russian Authorities have announced a corresponding equivalent funding from the Russian Ministry of Education and Science
- The EU **funding requested** must not exceed EUR 1.5 million, which means that only one proposal **per topic** will be funded under this call.
- **Duration** of the project: it should be noted that the EU projects are recommended to plan with a time schedule that accommodate the fact that the Russian coordinated projects will have a duration of max 30 month (from July 2011 to December 2013).
- **A balanced effort** between the coordinated projects and a research plan properly involving coordinated research activities between Europe and Russia represent an added value to the activities and this will be reflected in the evaluation.

## FP7-NMP-2011-EU-RUSSIA Topics & Objectives

ACTIVITY	TOPICS
NMP.2011.1.4-5 Multiscale Modelling as a tool for Virtual Nanotechnology Experimentation	A. Theoretical analysis, design and functional virtual testing of hetero or hybrid nanostructured elements for use in smart systems, integrated systems, OLEDs, photo-voltaics or energy saving applications
	B. Theoretical analysis, design and functional virtual testing of organic matrix nanocomposites for industrial applications (including optical electrical and mechanical properties).

### Section 1.3.4- Open Call MNT-ERA.NET

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#### General Information

- MNT-ERA.NET is a network of European Micro- and Nanotechnology (MNT) support programmes. Since 2006, annual calls for transnational R&D proposals have been launched.
- MNT ERA-Net sets up and runs a structure to sustain and strengthen the collaboration between funding programmes and agencies for transnationally coordinated funding for Micro and Nano Technology research and development in Europe.
- **General objective:** MNT-ERA.NET encourages the submission of commercialisable R&D proposals addressing all fields of micro and nano technologies including production technologies.
- **Participants countries:** 17 funding organisations from 13 European countries participate in this joint effort.
- **Project consortia:** at least two parties from two different participating countries/regions. It is strongly recommended contacting your regional/national funding agency for detailed national programme priorities.
- **Submission process:** before submitting a proposal, all projected project partners must contact their respective regional/national programme agency in order to discuss the project line-up and the funding conditions.

A **pre-proposal** is mandatory, with deadline on **5 April 2011**. It has to be submitted by the coordinator through an online application form available at [www.mnt-era.net](http://www.mnt-era.net).

## MNT-ERA.NET Topics & Objectives

AREAS	TOPICS
Processing of (multi)material systems	<ul style="list-style-type: none"> <li>• nanostructured materials, composites and micro/nano multimaterial systems, processes for low cost high volume manufacturing</li> </ul>
Materials fictionalization	<ul style="list-style-type: none"> <li>• nano objects, structured surfaces &amp; interfaces</li> </ul>
Smart Sensor Systems	<ul style="list-style-type: none"> <li>• sensor networks, sensors for logistics, control of infrastructure, electronic identification systems, cognitive systems, optical systems</li> </ul>
Medical and health devices	<ul style="list-style-type: none"> <li>• networked monitoring of health parameters, bio sensors and actuators, bio interfaces, lab on chip</li> </ul>

## Section 2- MORE INFORMATION OF INTEREST

[Section 2.1. Photonics Annual meeting will focus on FP8](#)

[Section 2.2. Call for applications for euRobotics Technology transfer Awards](#)

### Section 2.1- Photonics Annual Meeting will focus on Framework Program 8

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The 5<sup>th</sup> Annual Meeting of the European Technology Platform Photonocs21 will take place on February 23 & 24, 2011, in Brussels.

The agenda will put special emphasis on future research and innovation funding concepts and the European photonics strategy as a key enabling technology to meet the societal challenges in Europe such as aging society, sustainability and energy efficiency or security.

Event in Brussels will focus on the way forward towards Framework Program 8. Calls will be opened on July 2011 and Photonocs21 European Platform facilitates the networking and projects preparation.

Next Calls and Themes will be:

Call	Theme
FP7 - ICT Call 8	Core and disruptive photonic technologies
FP7 - 2012 - NMP - ICT - FoF	Smart factories: energy-aware, agile manufacturing and customisation; one of the four subtopics covering lasers and laser systems for manufacturing and materials processing
	Manufacturing solutions for new ICT products

Representing more than 1,600 members from industry, research and politics, the Photonics21 Annual Meeting has become the major event for the European photonics community, thus providing a unique forum for discussing and networking.

Attendees are invited to participate in one of the seven work groups around Information & Communication; Industrial Production & Quality; Life Science and Health; Lighting, Displays and Large Area Electronics; Security, Metrology and Sensors; Design and Manufacturing of Components and Systems as well as Photonics Education & Training and Research Infrastructure.

[More information Annual Meeting Photonics21](#)

## **Section 2.2- Call for applications: euRobotics Technology Transfer Award**

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Successful technology transfer should result in converting scientific findings from researchers into useful products, processes and services by the commercial sector. Outstanding examples of technology transfer in robot technology and automation that result from cooperative efforts between research and industry are eligible for the award.

A special Technology Transfer session will be held at the **European Robotics (euRobotics) Forum 2011**, formerly the **EURON / EUROP Annual Meeting, on April 7th in Västerås, Sweden** to highlight and promote successful examples of technology transfer.

Individuals or teams from industry, university, research organizations and laboratories are invited to participate.

The **deadline for applications** is the **18th February 2011**.

[More Call information](#)

## Section 3- EVENTS

*Click on the event to access the event website*

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DATE	EVENT	CITY
2 <sup>nd</sup> February 2011	MicroMountains iINNOVATION FORUM for Micro Technology 2011	Villingen- Schwenningen (Germany)
10 <sup>th</sup> February 2011	European R&D brokerage event during TECH'INNOV2011	Paris - Orly Airport
15 <sup>th</sup> -16 <sup>th</sup> February	ITEA2 Project Outline Preparation Days	Paris
23 <sup>rd</sup> to 24 <sup>th</sup> February	Photonics21 Annual Meeting 2011	Brussels
27 <sup>th</sup> February to 2 <sup>nd</sup> March 2011	Nanotech Insight Conference	El Cairo
6 <sup>th</sup> -7 <sup>th</sup> April 2011	European Robotics Forum	Västeras (Sweden)
12 <sup>th</sup> April 2011	Nanoscience and Micro- Nanotechnology brokerage Event 2011	Bilbao (Spain)
30 <sup>th</sup> May 2011	EuroNanoForum 2011	Budapest

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