

## EURAXESS LINKS ASEAN

Newsletter, Issue 23: Feb 2013

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*WORLD: 3<sup>rd</sup> World Conference on Research Integrity, Montréal, 5 – 8 May 2013*

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## FOREWORD

*Dear Readers,*

*Scientific collaboration between the members states of ASEAN and the European Union (EU) has been steadily increasing over the last decade with the mobility of researchers on a healthy upwards trend. As the challenges facing societies in Europe and Asia have taken on transborder dimensions, international cooperation in research, science and technology between our two regions is becoming even more important. The EU's new research framework, Horizon 2020 will place even greater emphasis on international collaboration than previous framework programmes thus opening up an array of opportunities for collaboration between the research communities across the globe.*

*EURAXESS Links ASEAN seeks to support scientific cooperation between the EU and ASEAN by providing information on opportunities for European and international scientists currently engaged in ASEAN to work or collaborate with partners in Europe, be it on a short-term or a long-term basis. In 2013, a new team will be taking care of the network hoping to reach out to even more researchers. Dr Susanne Rentzow-Vasu will be stationed in Singapore with an additional regional representative expected to be based in Bangkok in early spring.*

*The EURAXESS Links ASEAN team looks forward to working with you. We always appreciate receiving your feedback and suggestions which you can send to the following address: [asean@euraxess.net](mailto:asean@euraxess.net)*

*I hope you enjoy reading this latest edition of our newsletter!*

*Susanne Rentzow-Vasu*

## 1. EU INSIGHT

### **Horizon 2020 (H2020): The Framework Programme for Research and Innovation (2014-2020)**

#### **What is Horizon 2020?**

Horizon 2020 (H2020) is a key pillar of [Innovation Union](#), a Europe 2020 flagship initiative aimed at enhancing Europe's global competitiveness with a proposed budget of roughly €80 bn (the European Commission's H2020 proposal can be found here: [Horizon 2020 - Proposal Nov. 2011](#)). The European Union is a global leader in many technologies, but it faces increasing competition from traditional powers and emerging economies alike.

For the first time, Horizon 2020 brings together all EU research and innovation funding under a single programme. It focuses more than ever on turning scientific breakthroughs into innovative products and services that provide business opportunities and change people's lives for the better. At the same time it drastically cuts red tape, with simplification of rules and procedures to attract more top researchers and a broader range of innovative businesses. The EU Framework Programme for Research and Innovation is the world's largest funding programme for research projects.

#### **Difference between FP7 and H2020**

The main differences between EU's Seventh Framework Programme for Research (FP7, 2007-2013) and Horizon 2020 consist in:

- bringing together all existing Union research and innovation funding, including the Framework Programme for Research, the innovation related activities of the Competitiveness and Innovation Framework Programme (CIP) and the European Institute of Innovation and Technology (EIT);
- focusing on multidisciplinary societal challenges which the European citizens face;
- simplifying the participation of all companies, universities, and other institutes in all EU countries and beyond.

#### **The three key objectives**

Horizon 2020 will focus funds on three key objectives. It will support the EU's position as a world leader in science with a dedicated budget of €24.6 billion. Further, it will help secure industrial leadership in innovation with a budget of €17.9 billion. This includes a major investment of €13.7 billion in key technologies, as well as greater access to capital and support for SMEs. Finally, €31.7 billion will go towards addressing major concerns shared by all Europeans, across six key themes:

- Health, demographic change and well-being;
- Food security, sustainable agriculture, marine and maritime research and the bio-economy;
- Secure, clean and efficient energy;
- Smart, green and integrated transport;

- Climate action, resource efficiency and raw materials; and
- Inclusive, innovative and secure societies.

### **Funding for mobility, the ERC and international cooperation**

Under the Commission proposal, €5.75 billion (+21%) will be allocated to the Marie Curie Actions, which has supported the training, mobility and skills development of more than 50 000 researchers since its launch in 1996. Funding for the European Research Council (ERC) will increase by 77% to €13.2 billion. The ERC supports the most talented and creative scientists to carry out frontier research of the highest quality in Europe, in a programme that is internationally recognised and respected.

International cooperation will also be further promoted in Horizon 2020, in order to strengthen the EU's excellence and attractiveness in research, to tackle global challenges jointly and to support EU external policies (see [Fact sheet: International Participation in Horizon 2020](#); a more detailed budget breakdown can be found here: [Horizon 2020 - Budget Breakdown](#)).

### **What's next?**

During the coming months – by the end of 2013 at the latest – legislative acts will be adopted by the European Parliament (EP) and the Council on Horizon 2020. The Specific Programme is to be accepted by the Council following an official hearing with the EP (consultation procedures).

On January 1, 2014 the framework programme will start and the first calls will be launched (for a more detailed time line and the legislative procedure see: [European Commission - A time line for Horizon 2020](#)).

### **Sources and further information:**

[European Union](#)

[European Commission - Horizon 2020 Homepage](#)

[Euresearch](#)

[German Federal Ministry of Education and Research](#)

## **2. NEWS & DEVELOPMENTS**

### *European Union*

#### **Two biggest research projects in EU history get €2B go-ahead**

As the number one priority for ICT research, the 10-year Future and Emerging Technologies (FET) Flagship projects in graphene and computer modelling of the brain have been guaranteed €1B each regardless of any cuts in the proposed €80B Horizon 2020 programme. The two winners of the biggest basic research grants in EU history will receive €54 million in 2013 alone. Both projects have been guaranteed the funding for a 10 year period regardless of any cuts to the EU's overall R&D programme. With Graphene involving 126 academic and industrial groups in 17 countries, and the Human Brain Project bringing together 87 organisations in 23 countries, the two projects will also be the most collaborative ones ever funded by the EU. While the initial funding will come from the European Commission's ICT 2014 Work programme, the majority of the remaining funding will come from Horizon 2020.

Source: [ScienceBusiness](#)

#### **Majority of EU member states sign unified patent court agreement**

On 19 February, ministers from 24 European Union member states signed an international agreement to establish a unified patent court to ensure the uniform applicability of patent law in all the signatory countries. The court will form part of the legislation setting up Europe's unified patent system. The unified court system, with a central division in Paris and branches in London and Munich, will avoid litigation cases having to be held in numerous member states.

Source: [EuropeanVoice](#)

#### **Europe bands together to fight against botnets**

The Association of German Internet Industry together with 28 partners from 14 European countries is launching the Advanced Cyber Defence Center (ACDC). The project will offer a full range of services for increased cyber security ranging from malware recognition to prevention. Supported by the European Union, the project brings together large public network providers, software producers, scientific institutions, law enforcement and administrative bodies, banks, as well as certification authorities.

Source: [Digital Agenda for Europe](#)

#### **EU FP7 project develops universal flood protection tool**

In response to the alarming increase of floods causing havoc in many European countries in recent years, the European Commission has funded several projects as a concerted attempt to help reduce the severity of flooding. Amongst the projects that receive funding through the EU's 7<sup>th</sup> Framework Programme (FP7), the INFLATER project has developed an inflatable dam that uses the force of the water to protect against floods. The newly-developed tool is portable and can be placed anywhere quickly with not a great deal of manpower. The portable dam includes a mechanical part, which is responsible for inflation, along with electrical sensors and wireless communication. The technical system of the dam, based on an extensive European end-user survey, INFLATER was designed with the assistance of sophisticated

Finite Element Analysis and Computational Fluid Dynamics modelling techniques. The system is now ready for validation on a laboratory scale and on the field at various test locations.

**Source:** [CORDIS](#)

### **EU supports advances in renewable energy**

In support of the European Union's aims of generating 20% of energy from renewable sources by 2020, 23 innovative renewable energy demonstration projects in 16 EU Member States have been awarded EUR 1.2 billion. The projects cover areas such as advanced biofuels, concentrated solar power and geothermal power, wind power, ocean energy and distributed renewable management (smart grids). Over 50% of the funding comes from NER300, one of the world's largest funding programmes for demonstrations of CCS and innovative renewable energy technologies. The NER300 programme acts as a vehicle for demonstrating environmentally safe carbon capture and storage (CCS) and innovative renewable energy sources (RESs) technologies at a pre-commercial scale within the European Union. By devising novel ways to create more renewable energy, the EU hopes to cut greenhouse gas emissions and become less dependent on imported energy. Collectively, the 23 projects are expected to increase annual renewable energy production in Europe by some 10 TWh, the equivalent of the annual fuel consumption of more than a million passenger cars. The projects will be co-financed with revenues obtained from the sale of 200 million emission allowances from the New Entrants' Reserve (NER) of the EU Emissions Trading System.

**Source:** [CORDIS](#)

### **Europe's Fastest Computer inaugurated at Jülich**

Jülich's new supercomputer JUQUEEN was inaugurated at Forschungszentrum Jülich in the presence of representatives of the German Federal Ministry of Education and Research (BMBF) and the Ministry of Innovation, Science and Research of the state of North Rhine-Westphalia (MIWF). The supercomputer is currently the fastest in Europe and has a peak performance of 5.9 petaflops, that means about six quadrillion (10<sup>15</sup>) arithmetic operations per second.

**Source:** [Research-in-Germany](#)

### **302 top researchers awarded €680 million in EU funding**

The European Research Council (ERC) is awarding €680 million to 302 senior research leaders in 24 different countries across Europe, in the latest competition for its prestigious 'Advanced Grants'. With up to €2.5 million per project, the funding allows these scientists to pursue their most ground-breaking ideas at the frontiers of knowledge together with their own teams. The projects selected cover a wide range of topics. Advanced grants are awarded to well-established top researchers of any nationality or age, who are scientifically independent and with a recent research track-record and a profile which identifies them as leaders in their respective field(s). In this Advanced Grant call, the selected candidates hold 32 different nationalities. They will conduct their research projects in over 160 institutions across 24 different European countries.

**For more information:** [ERC](#)



## ASEAN

### **SINGAPORE: A\*STAR's IME to collaborate with Norwegian company to develop sensor for oil and gas applications**

A\*STAR's Institute of Microelectronics has signed an agreement to collaborate with Petroleum Geo-Services (OSE:PGS), a focused geophysical company headquartered in Oslo, Norway, to develop a high performance Micro-Electromechanical Systems (MEMS) based sensor for deep sea seismic oil and gas exploration. The MEMS sensor is targeted for incorporation into a PGS commercial streamer system to acquire more precise seismic data during seismic survey to locate and estimate the size of offshore oil and gas reserves. The collaboration leverages IME's rich experience in designing high performance MEMS sensor, MEMS process platform and in-house packaging capability, and PGS's expertise in seismic exploration. The project will demonstrate a MEMS sensor and provide guidelines for the packaging and integration with ASIC in the next phase.

Source: [A\\*STAR](#)

### **INDONESIA: Cyber Security Centre set up at Institut Teknologi Bandung, Jatinangor**

Indonesia's first Cyber Security Centre will be set up at the Institut Teknologi Bandung (ITB) Jatinangor with support from the Korean International Cooperation Agency (KOICA). Indonesia remains vulnerable to cyber-crimes such as data theft, phishing, industrial espionage, or misuse of data. The Cyber Security Center on ITB campus will be set up with technical expertise from the Korean government and financial support of Rp 55 billion. The Centre will be comprised of three floors, consisting of an auditorium, exhibition area, cyber security laboratory, as well as research and teaching facilities.

Source: [ITB](#)

### **SINGAPORE: Scientists from Singapore and Germany make ground-breaking discovery in medical biology**

Scientists from Singapore and Germany have identified that the proteins lamin A (*Lmna*) and lamin B receptor (*Lbr*) are essential for holding silent genes in their correct position at the edge of the nucleus, in the form of heterochromatin. A deviation from their normal position will cause the genes to malfunction, leading to heart failure, vascular disease and muscle wasting. The discovery is crucial for the understanding of diseases. The findings by Audrey Wang and Colin Stewart of A\*STAR's Institute of Medical Biology and Irina Solovei, Boris Joffe and Heinrich Leonhardt of the Ludwig Maximilian University in Munich, Germany, were recently published in the prestigious journal *Cell*.

Source: [A\\*STAR](#)

### **SINGAPORE: Discovery of genes responsible for cornea blindness by scientists in Singapore**

Scientists at Singapore Eye Research Institute and A\*STAR's Genome Institute of Singapore have succeeded in identifying genes for central corneal thickness that may cause potentially blinding eye conditions. The authors jointly led a multi-centre study involving 55 hospitals and research centres around the world. They performed a meta-analysis on more than 20,000 individuals in European and Asian populations. Their findings were published in the prestigious science journal, *Nature Genetics* (6 January, 2013). Prof Aung Tin, Deputy



Director, Singapore Eye Research Institute (SERI) and a senior consultant ophthalmologist and Head of Glaucoma Service at Singapore National Eye Centre and a co-author of the paper, said, “This was a tremendous achievement, involving many centres from several countries around the world. Singapore played a major role in this work [...]”

Source: [A\\*STAR](#)

### **SINGAPORE: Singapore-Netherlands cooperation on advanced water treatment**

PUB, Singapore’s national water agency, and Dutch advanced water technology company PWN Technologies have signed a Memorandum of Understanding detailing further areas of collaboration in advanced water treatment. Both parties will work together to realize scientific and technological benefits by developing knowledge-intensive programs and projects. “PUB is always on the lookout for innovative water solutions and the best way forward is through R&D collaborations with the private sector, which allows the various parties to mutually leverage on synergies gained from marrying expertise and technological resources. We look forward to a rewarding long-term partnership with PWN Technologies to not only meet Singapore’s growing water demand more efficiently, but also add vibrancy to the local water R&D landscape, and boost Singapore’s status as a global hydrohub”, said Mr Chew Men Leong, Executive Director of EWI.

PUB and PWN Technologies, through their appointed representatives, will also collaborate to co-organize the Global Water Utilities Innovation Forum in Amsterdam on how the water industry can address the future challenges of dwindling water supply, energy and sustainability. This Forum is the second in the Singapore International Water Week (SIWW) series of Forums focused on water utilities leaders with the overarching theme – “Co-creating Future Solutions for Utilities”. Held in November 2013 in the lead-up to Amsterdam International Water Week, the Forum will bring together global water utilities leaders from the Americas, Europe and Africa regions to share challenges and co-create solutions. The inaugural Forum in Singapore – titled “SIWW Water Utilities Leaders Forum - Mapping Challenges and Solutions” will be held in September 2013, bringing together water utilities leaders in the Asia-Pacific and Middle East regions. The outcomes of both high-impact discussions will also be showcased at SIWW 2014.

Source: [PUB](#)

### **SINGAPORE: Austrian population researcher shares findings on population issues**

Austria’s IIASA World Population Program Leader Wolfgang Lutz shared his research on population issues in Singapore during a research trip. Population issues are currently a topic of intense public discussions in Singapore. In January, the government of Singapore released a population white paper, suggesting that significant immigration of non-resident workers should result in an increase of the total population from currently 5.3 million to 6.5 to 6.9 million by 2030. While immigration into the country proceeds quickly, the fertility rates of Singaporeans have declined to a record low, to even lower levels than any country in Europe. The government is very interested in policies that would help to increase the birth rate. The comparative population analysis on low fertility countries in Europe conducted at the International Institute for Applied Systems Analysis (IIASA) can provide relevant insights into the correct measurement of fertility decline and the reasons behind it, as well as its potential impacts. Prof Lutz delivered several lectures in Singapore, including the prestigious NUSS Professorship Lecture on the topic “Singapore: Population and Human Capital”.

Source: [IIASA](#)

### 3. FELLOWSHIPS & GRANTS

#### **International Cooperation opportunities in FP7 for ASEAN countries**

DG Research and Innovation has published tailored presentations for various world regions, highlighting the key areas of FP7 with a focus on international cooperation and specific opportunities for ASEAN countries.

Further information can be found here:

[DG Research & Innovation: International Cooperation ASEAN](#)

#### **Open calls in the 7th Framework Programme (FP7)**

Below is a list of all currently open calls in each strand of FP7. The work programmes for 2013 can be found here: [http://cordis.europa.eu/fp7/wp-2013\\_en.html](http://cordis.europa.eu/fp7/wp-2013_en.html)

You can also find a good overview of upcoming calls at EURESEARCH, the platform on European research by the Swiss National Science Foundation (SNSF).

#### **COOPERATION**

14 open calls remain in the Cooperation strand of FP7.

- Food, Agriculture and Fisheries, and Biotechnology – **1** open call
- Information and Communication Technologies – **2** open calls
- Nanosciences, Nanotechnologies, Materials and new Production Technologies (NMP) – **1** open call
- Energy – **1** open call
- Environment (including Climate Change) – **2** open calls
- Transport (including Aeronautics) – **3** open calls
- Socio-economic sciences and Humanities – **1** open call
- Joint Technology Initiatives (Annex IV-SP1) – **3** open calls

**Further Information:** <http://ec.europa.eu/research/participants/portal/page/cooperation>

#### **IDEAS**

2 open calls remain in the Ideas strand of FP7.

Call Identifier	Call Title	Publication	Deadline
<a href="#">ERC-2013-PoC</a>	Calls for proposals for ERC Proof of Concept Grant	2013-01-10	2013-10-03
<a href="#">ERC-2013-CoG</a>	Call for proposals for ERC Consolidator Grant	2012-11-07	2013-02-21

**Further information:** <http://ec.europa.eu/research/participants/portal/page/ideas>

For more general **information for non-European researchers** in the ERC's grants:  
<http://erc.europa.eu/non-european-researchers>

## PEOPLE

1 open call remains in the People strand of FP7.

Call Identifier	Call Title	Publication	Cut-off dates	Deadline
<a href="#">FP7-PEOPLE-2013-CIG</a>	Marie Curie Career Integration Grants (CIG)	2012-10-18	2013-03-07	2013-09-18

**Further information:** <http://ec.europa.eu/research/participants/portal/page/people>

## CAPACITIES

4 open calls remain in the Capacities strand of FP7.

Call Identifier	Call Title	Publication	Deadline
<a href="#">FP7-JPROG-REGIONS-2013</a>	Joint Programming Coordination 2013	2012-12-18	2013-03-19
<a href="#">FP7-ERACHairs-PilotCall-2013</a>	ERA Chairs Pilot Call	2012-12-18	2013-05-30
<a href="#">FP7-ERANET-2013-RTD</a>	ERA-NET Call 2013	2012-07-10	2013-02-28
<a href="#">FP7-CDRP-Women-Innovators</a>	EU Prize for Women Innovators 2014	2012-07-10	2013-10-15

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### SWEDEN: General Call for Applications 2013 now open

The 2013 general call for applications is now open. Closing dates for applications vary between subject areas and calls for application.

- Humanities and Social Sciences, Educational Sciences and Infrastructure and Artistic Research – 26 March 2013
- Medicine and Health – 4 April 2013
- Natural and Engineering Sciences - 11 April 2013
- Framework grant and graduate school within SIMSAM - 17 April 2013

**Further information:** [Swedish Research Council](#)

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### GERMANY: AvH Georg Forster Research Award – call for nominations

The Georg Forster Award is granted in recognition of a researcher's entire achievements to date to academics of all disciplines whose fundamental discoveries, new theories, or insights have had a significant impact on their own discipline and beyond and who are expected to continue developing research-based solutions to the specific challenges facing transition and

developing countries. Nominees must be nationals of a developing or transition country and must have had their main residence and place of work in one of these countries for at least five years. The award amount totals EUR 60,000. In addition, award winners are invited to conduct a research project of their own choosing in Germany in close collaboration with a specialist colleague. The project duration of about six to twelve months may be divided into segments. In addition, further expenditures (such as travel or language courses) are covered in the context of the invitation to stay in Germany for research purposes. To support the collaboration, the Alexander von Humboldt Foundation may grant additional funding of up to EUR 25,000, particularly for participating in scientific conferences, additional material resources, e.g., specialist literature and scientific equipment for the nominee's own institute, as well as for involving junior researchers. An established academic employed by a university or research institution in Germany must take the initiative to nominate a candidate for the Georg Forster Research Award. Nominations may also be initiated by award winners of the Humboldt Foundation working abroad, provided that the nomination is made jointly with a colleague working in Germany. Self-nomination is not possible.

**Deadline for nomination: 15 May 2013**

**Further information: [AvH](#)**

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#### **AUSTRIA: Institute of Science and Technology, Austria: ISTFELLOW**

IST Austria in Vienna has set up a programme for exceptional postdoctoral researchers partially funded by the European Union, ISTFELLOW. The programme will fund 40 fellows for a period of two years each. ISTFELLOW is open to qualified applicants from all over the world who are interested in spending the postdoctoral stage of their scientific research career at IST Austria. As the research portfolio of the Institute continues to branch out into other areas in the coming years, including physics, chemistry, and mathematics, so will the ISTFELLOW programme. ISTFELLOW will give preference to scientists who have a strong interest in cross-disciplinary approaches. Applications will be accepted at any time, but fellows will be selected twice a year in October and April. The deadlines for each selection are the 15th of September and March. Applicants must have the support of one or more members of the IST Austria faculty who will host them in their research group.

**Application deadlines: 15 March and 15 September 2013**

**Further information: [ISTFELLOW](#)**

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#### **EMBO funding for Courses & Workshops**

Biannual selection by a committee of EMBO Members ensures the consistent high quality and novelty of EMBO-funded courses, workshops and conferences. The commitment of the scientific organizers guarantees the long-term success of the programme to inform and train researchers at all career stages. With over 80 meetings attracting more than 8,000 participants every year, EMBO offers the largest number of scientific training events in Europe. Funding is available for conference series, workshops, practical courses and symposia as well as plenary lectures. EMBO assists organizers with websites, posters and registration.

**Further information:** [EMBO Courses & Workshops](#)

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### **TWAS Postgraduate Research Fellowship for Developing Countries Students**

Each year, the TWAS Fellowship Programmes, which operate under agreements with governments and national organizations in developing countries, offer a number of fellowships to young scientists from developing countries to carry out postgraduate research in developing countries other than their own. Currently, there are eleven fellowship programmes for postgraduate research, implemented in collaboration with the partner organizations. Deadlines vary according to the country.

**Further information:** [TWAS - Third World Academy of Sciences](#)

## **4. [JOBS](#)**

### **EURAXESS Jobs**

There are currently 6293 research jobs and fellowship programmes (all over Europe and in all disciplines) accessible via the EURAXESS Jobs database.

To learn more about these programmes and the application procedures, or to post your CV on the database, please visit the Jobs web site: <http://ec.europa.eu/euraxess/jobs>

For the latest research jobs go directly to:  
<http://ec.europa.eu/euraxess/index.cfm/jobs/latestjobs>

To access information on fellowship and grants:  
<http://ec.europa.eu/euraxess/index.cfm/jobs/fgNationalLevel>

### **GERMANY: 4 Junior Professorships at Stuttgart Research Centre of Simulation Technology (Sim Tech)**

Located at and funded by the University of Stuttgart in the framework of the Excellence Initiative of the German state and federal governments as Cluster of Excellence ExC 310 Simulation Technology (SimTech), the research centre offers the following 4 junior-professorial positions: (1) Computational Micromechanics and Material Design at the Institute of Applied Mechanics; (2) Computational Methods for Uncertainty Quantification at the Institute of Hydromechanics and Modelling of Hydrosystems; (3) Molecular Thermodynamics at the Institute of Thermodynamics and Thermal Process Engineering; and (4) Socio-cognitive Systems Informatics at the Institute of Visualisation and Interactive Systems.

**Application deadline: 31 March 2013**

**Further details:** [Sim Tech](#)

## **5. FORTHCOMING EVENTS**

### **EMBO Events Calendar**

Find the latest event announcements of the European Molecular Biology Organisation at [EMBO Events Calendar](#).

### **EU Centre in Singapore**

The latest events can be found at [EU Centre Events](#)

### **EU: Experts for Horizon 2020 Advisory Groups: Call for expressions of interest**

The European Commission is widening its search for experts from all fields to participate in shaping the agenda of Horizon 2020, the EU's future funding programme for research and innovation. The experts of the advisory groups will provide high quality and timely advice for the preparation of the Horizon 2020 calls for project proposals. The Commission is calling for expressions of interest with the aim of creating lists of high level experts. Individuals in their personal capacity, representatives of collective interest groups and representatives of organisations can express their interest. Each advisory group shall be representative of the broad constituency of stakeholders, including industry and research actors as well as representatives of civil society, for the Horizon 2020 challenges/objectives concerned. The experts of the group will be designated in accordance with the Commission rules on expert groups.

Expertise is called for within the following areas: researcher mobility, Future and Emerging Technologies (FET), Research infrastructures (including e-Infrastructures), Information and Communication Technologies (ICT), Nanotechnologies, Health, demographic change and wellbeing, Food security, sustainable agriculture, marine and maritime research and the bio-economy, Secure, clean and efficient energy (including nuclear energy), Smart, green and integrated transport, Climate action, resource efficiency and raw materials and Inclusive, innovative and secure societies.

The call for expressions of interest will stay open for the lifetime of the Horizon 2020 programme. Experts can register at any time; however only those having expressed their interest no later than 6 March 2013 will be taken into account for the setting up of the first Horizon 2020 Advisory Groups. Expressions of interest received after this date will be taken into account for the renewal of groups at the end of each mandate.

**Deadline for expression of interest: 6 March 2013**

**Further Information: [Horizon2020](#)**

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**European Parliament to host 5-day conference on “EU Science: Global Challenges, Global Collaboration” (ES:GC2), Brussels, 4 March 2013**

The conference brings together science policy makers, scientists and industry representatives from 100 countries. The primary focus of the gathering will be Horizon 2020, the EU's funding instrument for collaborative research and innovation beyond 2014 which places EU research at the centre of the international response to global challenges. ES:GC2 is convened by ISC, Intelligence in Science, under the auspices of the Irish Council Presidency in conjunction with Sean Kelly MEP and other members of the European Parliament.



**Further information:** [ES:GC2](#)

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**ESOF 2014 Copenhagen – call for proposals now open**

Euroscience Open Forum (ESOF) 2014 is a biennial, interdisciplinary, pan-European general science meeting, which aims to showcase the latest advances in science and technology, promote a dialogue on the role of science and technology in society and public policy and stimulate and provoke public interest, excitement and debate about science and technology. ESOF 2014 will focus on the following scientific themes: The Healthy Society; A Revolution of the Mind; Global Resource Management; Learning in the 21st Century; Green Economy; Material and Virtual World; Urbanization, Design and Liveability; and, Science, Democracy & Citizenship.

**The deadline for scientific session proposal is 9 May 2013**

**Further information:** [ESOF 2014](#)

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**SINGAPORE: Singapore's Institute of Physics and UK's Institute of Physics co-organise Nano-sciences Workshop, 4 – 6 March**

The Institute of Physics Singapore (IPS) is the leading scientific body for physics in Singapore, with elected members from local institutes; namely the National University of Singapore's Physics Department, Nanyang Technological University (NTU)'s School of Physical and Mathematical Sciences (SPMS), and the National Institute of Education's Faculty of Natural Sciences and Science Education. The Institute hopes to raise awareness and interest in physics amongst the general public through the organisation of physics-related events, held in conjunction with other institutions in Singapore. A workshop on Nanosciences will be held from 4 to 6 March 2013 at the SPMS, NTU. The workshop is co-organised with the Institute of Physics of the United Kingdom (IOP).

**Further information:** [IPSmeeting](#)

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**SINGAPORE: Workshop on Applied Cryptography (side-channel attacks), 21 March 2013, NTU**

The Physical Analysis and Cryptographic Engineering (PACE) Research Group at Nanyang Technological University is organizing a one-day workshop on applied cryptography with a special focus on side-channel attacks on March 21, 2013. Eight selected speakers from Singapore and Germany will present state of the art research in the field of side-channel attacks and countermeasures. The workshop is free of charge.

**Registration deadline: 18 March 2013**

**Further information:** [PACE](#)



### **SINGAPORE: 3rd Nano Today Conference, 8-11 December 2013, Biopolis**

The organizers of the 3rd Nano Today Conference to be held at Biopolis, Singapore on 8 to 11 December invite abstracts on the following conference topics:

- Synthesis and Self-Assembly of Nanocrystals, Nanoparticles and Thin Films
- Functionalization and Size-Dependent Properties of Nanocrystals, Quantum Dots and Nanowires
- Processing and Templating of Nanotubes and Nanoporous Materials
- Tailoring of Polymeric Nanoparticles, Organic-Inorganic Nanocomposites and Biohybrids
- Nanosystems for Biological and Medical Applications
- Nanosystems for Sensing, Diagnostic, Imaging, Magnetic, Electronic and Structural Applications
- Nanomaterials for Energy and Environmental Applications
- Nanomaterials for Chemical and Catalytic Applications

**Abstract deadline: 1 April 2013**

**Further information: [Nano Today 2013](#)**

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### **SINGAPORE: Nanyang Technological University (NTU) to host Singapore-Sweden workshop**

Together with the National University of Singapore (NUS) and the Agency for Science, Technology and Advanced Research (A\*STAR), NTU will hold a workshop with scientists from Sweden. The event will take place from 11 to 13 March 2013 in Singapore.

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### **SINGAPORE: World Health Summit, Regional Meeting, 8 – 10 April 2013**

The World Health Summit will be holding its first regional meeting outside of Berlin, in Singapore to provide a platform for health care policy makers, experts, and practitioners to discuss and exchange ideas on current issues of medical research, innovation and health systems and find solutions for today's health challenges in Asia. Themed "Health for Sustainable Development in Asia" this high level meeting will be held in Singapore from April 8<sup>th</sup> to 10<sup>th</sup>, 2013, at the Ritz-Carlton, Millenia Singapore. The Prime Minister of Singapore, Mr Lee Hsien Loong, will be Guest-of-Honor at the Official Opening Ceremony on April 8<sup>th</sup>.

**Further information: [WHS](#)**

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### **INDONESIA: Call for Papers - 2013 International Conference on Computer, Control, Informatics and its Applications, Jakarta, 19 – 21 November**

The 2013 International Conference on Computer, Control, Informatics and its Applications (2013 IC3INA) will be held in Jakarta, Indonesia from 19 – 21 November. This is an annual

event co-organized by the Research Center for Informatics, the Indonesian Institute of Sciences (LIPI) and IEEE Indonesia Section. It is intended to gather researchers, scientists, engineers, scholar students and practitioners to present their research findings, innovations and developments, and to exchange ideas on the progress of advanced technologies of computer, control, informatics and its applications. Submissions of paper proposals are invited for the following four tracks: computer, control, informatics and applications.

**Deadline for submission of papers: 28 June 2013**

**Further details: [2013 IC3INA](#)**

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**AUSTRIA: Vienna Summer University Green.Buildings.Solutions (28 July – 18 August)  
– register before 28 April**

“Think sustainable. Take care of your future – now” is the motto of this year’s Master’s-level study programme from Summer University Green.Buildings.Solutions. The course is targeted at architecture and engineering students and graduates with an interest in sustainability from anywhere in the world. The programme addresses the key ecological, economic, technical and societal aspects of sustainable planning and building. International participants will also have the unique opportunity of examining specialist content from an interdisciplinary perspective and experiencing it in practice.

**Further information: [Green.Buildings.Solutions](#).**

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**BELGIUM: World Research and Innovation Congress, 5 & 6 June 2013, Brussels**

The World Research and Innovation Congress will bring together 500 experts from the global scientific health community including researchers, policy-makers, NGOs and other stakeholders to exchange experiences, to build partnerships and to discuss strategies on future challenges.

**Abstracts are accepted on a rolling application deadline**

**Further information: [WRIC](#)**

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**FRANCE: The European Robotics Forum 2013 (Lyon) – online registration now open**

Over 350 scientists, company representatives and robotics officials from the European Commission are expected to attend this 3-day event from 19 to 21 March 2013. The programme foresees ample opportunity for companies and researchers to meet and interact in workshops and seminars on the latest developments in robotics. Participants in the European Robotics Forum 2013 have free access to the 3<sup>rd</sup> Innovation Robotics Summit INNOROBO.

**Further details: [Eurorobotics2013](#) & [INNOROBO](#)**

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### **FRANCE: Chip-to-Cloud Security Forum 2013 – call for papers**

Chip-to-Cloud Security Forum offers a high level international conference for researchers from academia and information security professionals from industry R&D, government, standardization bodies to share their vision, to figure out strategies for the future, to point out business opportunities and to seek collaboration prospects, to present state-of-the-art research and discuss the most recent advances in smart security.

**The deadline for abstract submission is 22 March 2013**

**Further information:** [Chip-to-Clouds](#)

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### **GREECE: 3rd International Exergy, Life Cycle Assessment, and Sustainability Workshop & Symposium (ELCAS), Nisyros Island, 7 – 9 July**

The 3rd International Exergy, Life Cycle Assessment, and Sustainability Workshop & Symposium (ELCAS) will provide a multidisciplinary international forum for researchers, scientists, engineers and practitioners from all over the world to exchange information, to present high-quality research results and new developments in the wide domain covered by the tools of Exergy Analysis, Life Cycle Assessment (LCA), and issues relating to the environment, and sustainability. Climate Change, Renewable Energy Systems, Sustainable Energy Systems, Smart Energy Systems etc are issues that very much effect the sustainability of countries, regions and cities. All participants will have a chance to discuss the future direction and priorities in the fields.

**Deadline for submission of abstracts: 25 February 2013**

**Further information:** [ELCAS-3](#)

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### **GERMANY: Future Megacities in Action, Hamburg, 14 – 16 May 2013**

The international conference Future Megacities in Action will highlight good practice examples of energy and climate efficient urbanisation from Asia, Africa and America, set against the European background. It will feature the results of the research programme “Future Megacities” funded by the German Federal Ministry of Education and Research since 2005: technical, social and economic solutions developed by participating bilateral and trans-disciplinary research teams for and with cities. It will also present innovative approaches taken in other cities that stand out in their efforts towards achieving greater sustainability. Spotlights on urban challenges and needs, workshops and a market place will provide insights into model solutions, products and tangible results.

**Early registration closes on 28 March 2013.**

**Further information:** [Mega Cities](#)

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**WORLD: 3<sup>rd</sup> World Conference on Research Integrity, Montréal, 5 – 8 May 2013**

The 3<sup>rd</sup> World Conference on Research Integrity will focus international attention on research integrity, responsible conduct of research, and publication of research. Attendees will have opportunities to learn the current state of worldwide progress on research integrity, discuss new challenges and emerging topics, and help shape national and international responses.

The Conference will provide a forum for discussion and exchange of ideas, expertise, and experience among national and institutional leaders, policy makers, research funders, leaders of professional societies, journal editors, publishers, researchers, educators, administrators, and graduate and postdoctoral trainees.

**Early registration deadline: 1 March 2013**

**Further information: [WCRI2013](#)**

## 6. RESOURCES

### Latest Calls

You can always find the latest calls on the newly set up Research Participant Portal at: [http://ec.europa.eu/research/participants/portal/page/fp7\\_calls](http://ec.europa.eu/research/participants/portal/page/fp7_calls)

### International Cooperation Activities

The portal of the European Commission's International Cooperation Activities at <http://ec.europa.eu/research/iscp/>

### Become an Expert Evaluator for FP7

The website to register as an expert for research activities is available on CORDIS. The call for experts is open both for individuals and for organizations.

Source: [CORDIS](#)

### Other Research Career Sites

The Chronicle of Higher Education Careers Service: <http://chronicle.com/jobs/>

Find A Postdoc: <http://www.findapostdoc.com/>

Find Scholarships in Europe: <http://www.scholarshipportal.eu/>

Find PhDs in Europe: <http://www.phdportal.eu/>

Academic Jobs EU: <http://www.academicjobseu.com>

Euro Science Jobs: <http://www.eurosciencejobs.com/>

The European Job Mobility Portal: <http://ec.europa.eu/eures/home.jsp?lang=en>

EMBO excellence in life sciences: <http://www.embo.org>

EuroBrussels: <http://www.eurobrussels.com/>

Jobs at ITER: <http://www.iter.org/jobs>

Nature.jobs: <http://www.nature.com/naturejobs/index.html>

Jobs.ac.uk: [www.jobs.ac.uk](http://www.jobs.ac.uk)

Research Jobs in Germany: [Research-in-Germany.de](http://Research-in-Germany.de)

[Scholarship Database of the German Academic Exchange Service \(DAAD\)](#)

Research Jobs in the Netherlands: <http://www.academictransfer.org/>

Brainpower Austria: <http://www.brainpower-austria.at/>

### EURAXESS Portal

The [EURAXESS portal](#) provides links to information on career and grant opportunities in science and technology in European countries. For research careers in Europe, visit the [EURAXESS Jobs](#) website.

## 7. ABOUT EURAXESS LINKS ASEAN

EURAXESS Links ASEAN is a network of European researchers, scientists, and scholars working in or commuting to ASEAN. This multidisciplinary network includes members at all stages of their careers. It allows them to connect with each other and with Europe, ensuring that they are recognized as an important resource for European research, whether they remain

in ASEAN or return to Europe. For further information and to sign up for membership in our network, as well as in the virtual SINAPSE community of European researchers abroad, please go to our website and click on the Join the EURAXESS Links ASEAN community hyperlink on the right-hand side of the page:  
[http://ec.europa.eu/euraxess/links/singapore/index\\_en.htm](http://ec.europa.eu/euraxess/links/singapore/index_en.htm)

## 8. ABOUT THIS NEWSLETTER

EURAXESS Links ASEAN is a monthly electronic newsletter that provides information of specific interest to the research community interested in EU-ASEAN R&D cooperation. This newsletter is edited by Dr Susanne Rentzow-Vasu, Regional Representative of EURAXESS Links ASEAN.

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