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Acest e-newsletter este o reluare a buletinului electronic **NANOPROSPECT (Nanotehnologii in Romania: studiu prospectiv)**, dupa incheierea acestui proiect (rezultatele sunt disponibile la adresa [www.imt.ro/NANOPROSPECT](http://www.imt.ro/NANOPROSPECT))

In acest numar gasiti, printre altele, informatii privind:

- International Conferences and Tradeshow: **Graphene LIVE! Europe 2013; Printed Electronics Europe 2013; Supercapacitors Europe 2013** (aprilie 2013, Berlin, Germania) (evenimente desfasurate in paralel)

- **Congresul „World of Photonics”** (mai 2013, Munchen, Germania), al treilea eveniment ca amploare la nivel mondial in domeniul fotonicii, care cuprinde mai multe conferinte, simpozioane, expozitii

- **International Semiconductor Conference - CAS 2013** (octombrie 2013, Sinaia, Romania), conferinta anuala in domeniul micro-nanotehnologiilor aflata la cea de a 36-a editie

## Lansari Competitii

### Apel in desfasurare - EuroNanoMed II

In perioada 10 decembrie 2012 – 4 martie 2013 este in desfasurare cel de al 4-lea apel transnational pentru propuneri de proiecte in cadrul initiativei **ERA-NET EuroNanoMed II**, cu termenul limita pentru depunerea proiectelor la data de **4 martie 2012**.

La acest apel pot participa cercetatori din urmatoarele tari: Belgia - Flandra, Belgia - Valonia, Franta, Germania, Elvetia, Islanda, Israel, Italia, Letonia, Lituania, Norvegia, Polonia, Portugalia, Romania, Spania, Suedia.

Vor fi finantate proiecte multidisciplinare si translationale, care se vor adresa cel putin uneia din urmatoarele teme: **medicina regenerativa; diagnostic; sisteme cu eliberare tinta**.

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## Evenimente stiintifice de interes

### Evenimente anuntate de platformele tehnologice europene

#### ISS Europe 2013 - Industry Strategy Symposium, 24 – 26 februarie 2013, Stresa (Milan Area), Italia

Programul simpozionului include 3 sectiuni: Strategy; Business; Technology. Exemple de prezentari:

- „Semiconductors: Key Enablers for a More Efficient Future”, Peter Schiefer, President, Infineon
- „Reinforcing the European electronics industry competitiveness”, Khalil Rouhana, Director Components & Systems, Directorate-General for Communications Networks, Content & Technology Components & Systems (DG CONNECT), **European Commission**
- Panel Discussion: **A Single European Semiconductor Strategy**
- „Managing the Exploding Demand for Integrating New Materials in IC’s”, Ivo J. Raaijmakers, Chief Technology Officer and Director of R&D, **ASM**
- „Navigating the European Ecosystem for Innovation in Power Semiconductors, from Research to Production”, Johannes M.C. (Hans) Stork, Senior Vice President and Chief Technology Officer, **ON Semiconductor**

[...mai multe detalii]

#### Nanomedicine 2013, 11 – 12 aprilie 2013, Barcelona, Spania

Tematici: • *Connectivity between Traditional and Nanomedicine*; • *Green Nanotechnology In Drug Discovery*; • *Nanomedicine Approaches In Molecular Imaging*; • *Nanomedicine In Theranostics*; • *Nanoparticles and Nanomaterials In Therapy*; • *Novel synthetic approaches in Nanomedicine*; • *Regulatory aspects toward approval of Nanomedicine drugs*; • *Toxicology Considerations In The Design and Development of Nanomedicine Formulations*.

Termenul limita pentru transmiterea lucrarilor la sesiunea de postere: **14 martie 2013**

[...mai multe detalii]

#### SPIE Optics + Optoelectronics 2013, 15 - 18 aprilie 2013, Praga, Republica Ceha

Tematici (exemple):

- *Metamaterials*
- *Nonlinear Optics and Applications*
- *Optical Sensors*
- *Micro-structured and Specialty Optical Fibres*
- *Medical Applications of Laser Generated Beams of Particles: Review of Progress Made in Recent Years*
- *Laser Acceleration of Electrons, Protons and Ions*
- *Research Using Extreme Light: Entering New Frontiers with PW-Class Lasers*

In data de 18 aprilie 2013 National Science Foundation (NSF) va organiza workshopul „**US-Czech Frontiers in Photonics**”, la care vor participa experti din SUA, Republica Ceha si din alte tari din Europa, care vor dezbate progresele din cercetare-dezvoltare in fotonica.

[\[...mai multe detalii\]](#)

**World of Photonics Congress**, 12 - 16 mai 2013, Munchen, Germania

In perioada 13 - 16 mai 2013 se va desfasura in paralel si International trade fair „Laser World of Photonics”.

**Congresul „World of Photonics”** are urmatoarea structura:

**Application Panels.** Sectiuni: *Biophotonics and Medical Engineering; Lasers and Laser Systems for Production Engineering; Optical Technologies.*

**Lasers in Manufacturing Conference (LiM) 2013.** Tematici: *Laser Material Processing; System Technology; Process Optimisation.*

**European Conferences on Biomedical Optics (ECBO 2013).** Tematici (exemple): *Clinical & Biomedical Spectroscopy & Imaging; Novel Biophotonic Techniques and Applications; Optical Coherence Tomography & Coherence Techniques; Medical Laser Applications and Laser-Tissue Interactions; Neuropotonics.*

**2nd EOS Conference on Optofluidics (EOSOF 2013).** Tematici (exemple): *Photonic actuation of microfluidics; Optical and photonic tweezers; Microfluidic lasers; High sensitivity biomolecular sensor platforms; Optofluidic photobioreactors and photocatalytic reactors.*

**3rd EOS Conference on Manufacturing of Optical Components (EOSMOC 2013).** Sesiuni: *High-Volume Manufacturing of Optical Components; Latest Advances in Freeform Optics; Micro-Optics and Structured Surfaces; Precise Optics Fabrication; Testing for Fabrication and Assembly*

**Optical Metrology.** Tematici: *Optical Metrology in Industrial Design and Production Engineering; Metrology Instruments and Systems; 3D Sensing and Visualization; Imaging and Image Processing.*

**European Conference on Lasers and Electro-Optics and the International Quantum Electronics Conference (CLEO®/EUROPE-IQEC 2013).** Tematici (exemple): *Lasers; Optical materials and innovative photonic applications; Fibre and guided-wave optics; Quantum and atom optics; Nanophotonics and integrated optics; Plasmonics and metamaterials.*

[\[...mai multe detalii\]](#)

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#### Alte evenimente stiintifice internationale

**Materials for Advanced Metallization Conference - MAM 2013**, 10 – 13 martie 2013, Leuven, Belgia

Aflata la cea de a 22-a editie, conferinta va cuprinde urmatoarele sectiuni:

**Materials and Processes.** Tematici (exemple):

- *Deposition PVD; CVD; ALD; ELD; ECD; SAMs, reflow; e-beam*
- *III-V materials for power and LED applications*
- *Materials for memories*
- *Nanomaterials (graphene; carbon nanotubes; nanowires; nanodots)*

**Advanced Characterization and Modeling techniques.** Tematici (exemple):

- *Analytical techniques; defect inspection; x-ray/electron tomography; spectroscopy; microscopy; scanning probe methods*

**Nanoscale applications.** Tematici (exemple):

- *Alternative interconnects; optical and wireless systems*
- *3D integration; COW, WOW; thinning; bonding; TSV; micro-bump*
- *System-on-chip and system-in-package*
- *Memories devices (MRAM; FeRAM; CBRAM; PCRAM, ReRAM)*
- *Advanced devices; single electron device; tunnel FET*
- *Energy harvesting/storage; MEMS/NEMS; sensors*

Termenul pentru inregistrare cu taxa redusa: **1 februarie 2013.**

[\[...mai multe detalii\]](#)

**International Conferences and Tradeshow**, 17 – 18 aprilie 2013, Berlin, Germania

Evenimentele vor avea loc in paralel si vor cuprinde conferinte, sesiuni interactive de consultari, expozitii. Participantii inregistrati vor avea acces la toate evenimentele.

**Graphene LIVE! Europe 2013**

Tematici: • *Touch screens and ITO replacement;* • *Energy Storage-*

**FEBS Workshop „Biological Surfaces and Interfaces”**, 30 iunie - 05 iulie 2013, Sant Feliu de Guixols, Catalonia, Spania

Acest eveniment este organizat de European Science Foundation (ESF) in parteneriat cu Federation of European Biochemical Societies (FEBS). Conferinta va prezenta aspecte stiintifice si tehnologice relevante pentru interfețele dintre materiale sintetice si sisteme biologice sau interfețele din sisteme biologice (biointerfețe). Progresul rapid in acest domeniu are drept catalizator numarul crescut de aplicatii clinice si industriale: biosenzori si biochipuri, inginerie tisulara si implanturi medicale, terapii celulare, nanomedicina. Se ofera burse pentru acoperirea costurilor legate de taxa de participare si deplasarea la conferinta pentru studenti si tineri cercetatori.

Termenul limita pentru inregistrare: **24 martie 2013**

[\[...mai multe detalii\]](#)

**International Conference on Advanced Complex Inorganic Nanomaterials**, 15 – 19 iulie 2013, Namur, Belgia

Tematici: *Advanced preparation methods to Advanced Complex Inorganic Nanomaterials and cutting edge characterisation techniques*

*Nanomaterials, functional porous materials, co-ordination networks, bio-inspired nanomaterials, hybrid materials and living material New Applications and new properties*

Inca se pot transmite rezumate pentru prezentari la sectiunea de postere.

[\[...mai multe detalii\]](#)

**21st Annual International Conference on Composites or Nano Engineering ICCE**, Tenerife, Insulele Canare, Spania, 21 – 27 iulie

Supercapacitors and Batteries; ▪ Logic and Memory; ▪ Graphene Composites; ▪ Functional Inks; ▪ Sensors and Bio-electronics.

**Printed Electronics Europe 2013**, eveniment aflat la cea de a 10-a editie; include „End user Printed Electronics Forum”

**Supercapacitors Europe 2013**. Tematici (exemple):

- How supercapacitors replace batteries – what next?
- Road map of how supercapacitors and superbatteries are improving and what markets this will open up; 10 year forecasts for supercapacitors and superbatteries
- Materials in energy storage: Graphene, Carbon Nanotubes, Lithium
- Printing technology and supercapacitors

**Energy Harvesting & Storage Europe 2013**

**Wireless Sensor Networks & RTLS Europe 2013**

**11-a Conferinta de Chimia Coloizilor si Suprafetelor (11th Conference on Colloid and Surface Chemistry - 11 CCSC)**, 9 - 11 mai 2013, Institutul de Chimie Macromoleculara "Petru Poni" al Academiei Romane, Iasi

Sectiunile conferintei sunt:

- Coloizi si fenomene de interfata
- Materile hibride organic-anorganice
- Materiale sol-gel
- Suprafete functionlizate
- Materiale micro si nano-structurate
- Biomateriale si materiale bio-inspirate
- Chimia mediului

Programul stiintific va include conferinte plene invitate, conferinte pe sectiuni (25 min), comunicari orale (15 min) si o sesiune de postere. Limba oficiala a conferintei este limba engleza.

Cei interesati sa participe sunt invitati sa trimita **rezumatul lucrarii** (redactat conform modelului indicat in prima circulara) si **Formularul de inregistrare** completat, la adresa [marcelas@icmpp.ro](mailto:marcelas@icmpp.ro), pana la data de **1 martie 2013**.

[...mai multe detalii]

**3<sup>ème</sup> Colloque francophone Pluridisciplinaire sur les Matériaux, l'Environnement et l'Electronique (PLUMEE 2013)**, Universitatea "Vasile Alecsandri" din Bacau, 22 – 25 mai 2013

**Tematici** (exemple): ▪ *nanomatériaux et composants complexes; ▪ interaction des ondes électromagnétiques (optique ou microonde) avec la matière; ▪ matériaux non-linéaires pour l'optique et les microondes; ▪ matériaux céramiques pour applications opto-électroniques; ▪ micro et nano structuration de matériaux pour l'optique et les microondes.*

Termenul limita pentru transmiterea lucrarilor: **11 martie 2013**

[...mai multe detalii]

## Informatii utile

### Dezbateri publice Pachet de Informatii PCCA 2013

Propunerea pachetului de informatii pentru **Proiecte Colaborative de Cercetare Aplicativa** - competitia 2013, din cadrul Programului Parteneriate, este supusa dezbaterii publice.

Observatiile/comentariile asupra materialului prezentat, trebuie sa faca referire directa la textul pachetului de informatii.

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[...mai multe detalii]

### IMPORTANT! Nota in atentia celor care vor sa retransmita acest mesaj:

Pentru a asigura pastrarea informatiei in forma ei originala va rugam sa folositi exclusiv forma pdf a acestui e-news, accesibila la adresa:

[http://www.nano-link.net/e-newsletter\\_postNANOPROSPPECT/e-news25/e-news\\_postNANOPROSPPECT25.pdf](http://www.nano-link.net/e-newsletter_postNANOPROSPPECT/e-news25/e-news_postNANOPROSPPECT25.pdf)

2013

Conferinta va include simpozioane ce au urmatoarele tematici: *Nano Bio Materials; Nano Devices and Actuators; Inorganic Nanowires; Nano-Fabrication; NanoLithography; Nanosensors; Magnetic Materials; Thin Films; Surface-Coating; Processing/Characterization; Durability of Composites;*

[...mai multe detalii]

**The 7th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics - Metamaterials'2013**, Bordeaux, Franta.

Include o **conferinta** desfasurata in perioada 16 – 19 septembrie 2013 si o **scoala doctorala**, ce va avea loc in perioada 20 – 21 septembrie 2013.

Tematicile conferintei (exemple):

- Micro- and nano-fabrication of metamaterials
- Carbon nanotubes and graphene in metamaterials
- RF and microwave metamaterials: design, properties, applications
- Millimeter wave/THz metamaterials and applications
- Antenna and absorber applications of metamaterials
- Metamaterials for nanoelectronics and nanoantennas
- Metamaterials for quantum electronics
- Metamaterials for sensors
- Medical applications of metamaterials
- Integrated nanophotonics

Termenul limita pentru transmiterea lucrarilor: **24 martie 2013**.

[...mai multe detalii]

**International Semiconductor Conference - CAS 2013**, Sinaia, Romania, 14 – 16 octombrie 2013

Conferinta anuala, aflata la cea de a 36-a editie, este organizata de INCD pentru Microtehnologie – IMT Bucuresti sub egida IEEE-Electron Devices Society, Ministerul Educatiei Nationale, Academia Romana, IEEE-Romania, Electron Devices Chapter.

Tematici:

- Nanoscience and nanoengineering;
- Micro and nanotechnologies for biomedical and environmental applications;
- Novel materials and intelligent materials;
- Micro and nanotechnologies for transducers, interfaces and microsystems;
- Microoptics and microphotronics;
- Micromachined devices and circuits for microwave and millimeter wave applications;
- Power devices and microelectronics (including CAD)

Termenul limita pentru transmiterea lucrarilor: **3 iunie 2013**. Lucrarile vor putea fi incarcate on-line incepand din luna aprilie 2013.

[...mai multe detalii]

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