

Smart Materials into Action

MAY · 8–9th · 2014

ENGINEERING AND DESIGNING NEW PRODUCTS

TECNOCAMPUS MATARÓ-MARESME - BARCELONA

OUR SUMMER SCHOOL

Within the framework of the European project INNOMATNET, Cetemmsa will organise a 2-day Summer School on finding smart solutions for novel and smart materials.

Addressed to both recent graduates and post-graduates from the areas of materials research, engineering and design in the EU, the course explores the relationship between Materials R&D centres and Design Universities, and how they can foster innovation and new business opportunities for novel materials. Within the course, companies and experts in these areas will share their insights.

The workshops will run in three areas: Smart Objects, Smart Cities and Smart Fabrics. The aim of the workshops is to ideate new products and identify future requirements and applications for smart materials and technologies. Students will work in multi-disciplinary teams, recognising current social, economic and technological macrorends, and designing appropriate solutions and strategies. Successful projects will be judged to satisfactorily address the 'Innomatnet Challenge'.

AIMS

Train designers and young engineers/researchers how to:

- Integrate design into technology and technology into design, using novel materials
- Use smart and novel materials to find smart solutions
- Transform thinkers into creators

These sessions will also:

- Inform participants on the current macrorends and their implications in materials, technology and design
- Provide innovation tools to link market and consumer trends with research, innovation and ideation of new products

The INNOMATNET Summer School is an exciting opportunity to join people from across Europe to share expertise and knowledge in a multidisciplinary environment. Support for travel and accommodation is available.



No Attendance Fee
Limited Places Available
Info: training@cetemmsa.com

REGISTRATION

European Project
FP7-NMP-2011-CSA-5 | Project Nr 290583



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Thursday 8 May

- 09.00 to 09.30 h** Arrivals & Registration
- 09.30 to 10.00 h** Opening: **Miquel Rey**. President of CETEMMSA. **Susana Figueredo**. Project Manager, Sociedade Portuguesa de Inovação
- 10.00 to 10.45 h** **Smart Materials, Smart Solutions** . **Marta González**. Professor of materials at ELISAVA Design University. **Iván Rodríguez**. MaterFAD.
- 10.45 to 11.30 h** **Open Innovation Tools: from Research to Market:** **Jeff Butler**. R&D, design and innovation manager
- 11.30 to 11.45 h** *Coffee Break*
- 11.45 to 12.30 h** **Research & Technological Centres as resources to support business Innovation**, Best Practices in this field: **Ferran Soldevila**. Valorisation Manager at CETEMMSA. Business and Technology Transfer
- 12.30 to 13.15 h** **Design Universities as resources to support business Innovation**. Best Practices in this field: **Horge Pérez**. Director I+ED Lab. Design division. (Innovation & Education)
- 13.15 to 15.15 h** *Networking Lunch*
- 15.15 to 16.15 h** **Business and Materials: Company presentations (*)**
José Mariano López-Urdiales. **Zero2infinity**, aeronautical Engineer, near-space flying solutions
Xavier Flores. **Lekué-compeixalaigua**, designer, silicone in new applications
Valentí Rodon. **RGB Medical Devices**, Engineer, business developer, sensorized medical devices
() please note that the list of companies is not finalized*
- 16.15 to 17.15 h** **Round table discussion with companies, R&T Centers and Design University representatives**. Moderator: **Alessandro Rancatti**. dirección creativa.es. Architect and design thinking consultant.
- 17.15 to 17.30 h** *Coffee Break*
- 17.30 to 18.30 h** **Workshop general brief: trends, platforms, innovations (training prior to the workshops):** **Laura Clèries**. Clèries Consultancy, materials PhD, designer & trends researcher
- 18.30 to 19.00 h** **Feedback and conclusions. All together**

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REGISTRATION

InnoMatNet aims to advance the goal of an innovative society by developing a flexible approach that establishes teams of innovators which link materials labs with industry (particularly the creative industry), as well as other innovation actors, providing support to help them bring new products and processes to market. www.innomatnet.eu

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Friday 9 May

09.00 to 14.00 h**Smart Objects: Workshop****Brief: Definition of materials and Best Practices****Smart solution: Ideation, design, and technology integration**Technical thinking Tutor: CETEMMSA: **Marta Cot**. Telecommunications Engineer. Smart Objects Lab Manager.**Carlos Carenas**. Electronic Engineer. Smart Objects DevelopmentDesign thinking Tutor: **Rafael Nualart**. Product strategy & innovator**09.00 to 14.00 h****Smart Cities: Workshop****Brief: Definition of materials and Best Practices****Smart solution: Ideation, design, and technology integration**Technical thinking Tutor: CETEMMSA: **Santi Pérez**. Electronic Engineer. Head of Technological Valorisation, Business and Development.Design thinking Tutor: **Alessandro Rancatti**. Creative innovation platforms and projects**09.00 to 14.00 h****Smart Fabrics: Workshop****Brief: Definition of materials and Best Practices****Smart solution: Ideation, design, and technology integration**Technical thinking Tutor: CRTTT-CETEMMSA. **Francesc Pera**. Textile Engineer. Researcher and Developer.**Carles Pérez**. Textile Engineer. Researcher and DeveloperDesign thinking Tutor: **Laura Clèries**. Macrotrends-based innovation**14.00 to 15.00 h****Conclusions. All together:** presentations of workshop projects and selection of the Innomatnet Challenge project winner.

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