LEUVEN.INC
INNOVATION NETWORKING CIRCLE

Events

Leuven.Inc seminar: 'Nanomaterials for clean technologies'

Wednesday 15 February 2012

This seminar is a joint organization of **Leuven.Inc, Leuven Materials Research Centre (L-MRC) and K.U.Leuven Research & Development**, powered by **Flanders Smart Hub**.

Nanotechnology and nanomaterial developments have been presented as very promising over the last decade. However, nowadays the focus in material developments seems to be shifted towards clean technologies such as materials for renewable energy and for lightweight products. Does this mean the nanomaterials hype has come to its end, or are nanomaterials on the contrary of crucial importance for the development of cleantech?

During this session, more insight will be given in the vital role nanomaterials play in the development of several new, clean technologies. Emerging as well as already implemented applications will be presented. The cases presented will illustrate nanomaterials for more efficient solar cells, nanocomposites for optimised lightweigt materials, self-cleaning surfaces, etc.

It is obvious nanomaterials used for cleantech applications should be themselves environmentally friendly and harmless. The possible effects of nanomaterials on human health deserves a particular attention. There are however nanoparticles in many shapes and sizes, with quite different impacts. The closing presentation will deal with the health effects of nanoparticles.

Programme

13h30: Registration and coffee

14h00: **Welcome by Leuven.Inc**

14h10: **General introduction: applications and markets for nanomaterials in clean technologies**
Jean Scoyer, Chief Scientist Umicore

14h40: **Nanomaterials for sustainable energy**
Maarten Roeffaers, Professor K.U.Leuven, Molecular Imaging and Fotonics
Case: Solvay - Anne Goldberg, Nanotechnology Platform Manager Solvay

15h20: **Nanomaterials for lightweight structural materials**
Larissa Gorbatikh, K.U.Leuven, Department of Metallurgy and Materials Engineering
Case: Nanocyl – Carmen Tola Pérez, Advance Materials Scientist Nanocyl

16h00: Coffee break

16h30: **Directed self-assembly of nano particles for new material design**
Jan Vermant, Professor K.U.Leuven, Department of Chemical Engineering
Case: DSM – Filip Oosterlinck, Project Leader DSM Research

17h10: **Conclusion: Impact of Nanomaterials on health issues**
Peter Hoet, Professor K.U.Leuven, Social and Preventive Health Care

17h40: Q & A

18h00: Drinks and networking

The interventions will be held in English.

Location

Thermotechnisch Instituut, Kasteelpark Arenberg, 3001 Leuven (Heverlee)

Participation fee

- 60 euro (excl. VAT): researchers affiliated and billable to academic institutes
- 120 euro (excl. VAT): members of Leuven.Inc/FSH partners
- 160 euro (excl. VAT): all others

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Registrations

Registrations before **Wednesday February 8th, 2012**, preferably via the **online registration form** or by email to admin@leuveninc.com (including all contact and invoice details).

After registration you will receive a confirmation and route description. The registration fee is payable after receipt of invoice. Cancellation after subscription is not possible. However, replacement by a colleague is allowed.*

Best regards,

Sandra Neckebroeck
Leuven.Inc

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