

Antimicrobial and Self-cleaning Surfaces - Technologies and Applications

International Seminar, Copenhagen April 24-25 2012

Microbial contamination is a growing concern in health care and in the food and biotech industry. Most of these problems can be related to insufficient removal of microorganisms from surfaces and devices, due insufficient hygienic design, surfaces that are difficult to clean and inadequate sanitation.

The application of antimicrobial and self-cleaning surfaces may contribute considerably in the fight against microbial contaminations. Several new technologies have been invented and old methods have been taken up again during the last decades, but some important issues stand in the way for wider a commercialization of them.

The conference is dealing with a number of important issues such as e.g.:

- How to measure antimicrobial and self-cleaning efficiency, reliably and reproducibly?
- Which technologies are mature and which are emerging?
- What is the best solution for your application?
- How to apply the antimicrobial principle on different surfaces?
- How to control biofilm?
- How to get approval?
- Legal requirements to materials, migration, nano particles, etc.

At the seminar the Danish AMAS group, supported by The Danish National Advanced Technology Foundation, will present highlights from their results with the challenges in the field of photocatalytic surfaces.

To challenge these results and to further discuss how to move forward within this field and to create new networks we have invited key scientists as industrial users from Europe and USA.

We invite you to come to Copenhagen 24 and 25 April and participate in this important challenge with us.

Scope of the seminar:

- To create a forum for discussion between manufacturer, scientist, R&D, authorities and health professionals and end users.
- To create a forum for exchange ideas and experiences between different technologies: Coatings and nanoparticle of TiO₂, silver, cobber, zinc, biological antimicrobial compounds and self-cleaning technologies.
- Approaches towards standardisation of the measurements of surface activity against bacteria/bio films formation and other unwanted partial oxidized products.
- Profiling existing competences and initiate further networking and/or collaboration.
- Find end user applications pilot and demonstration possibilities

Venue:

24 and 25 April, Danish Technological Institute, Gregersensvej 3, DK-2630 Taastrup, Denmark

Organizing committee:

Lars Pleth Nielsen, Phone+45 72 20 15 85 lpn@dti.dk

Per Væggemose Nielsen, Phone: +45 45 25 26 31 / Mobile +45 29 62 08 43, pvn@bio.dtu.dk

Morten Simonsen, Phone: +45 21 44 99 19, ms@alucluster.com

More information on: www.atv-semapp.dk/xxxx (link not yet active)

Sponsor: AMAS; Anti-Microbial Aluminium Surfaces Højteknologifondens J.nr. 031-2009-1