

Coatings for Cleantech Energy Conversion, Storage and Related Processes

We are excited to be holding our Cleantech Session in Chicago, IL; one of our largest heartland cities with a strong sensitivity to green architecture and conversion to green manufacturing processes.

Cleantech is a category of technologies that reduce humankind's impact on the environment, which is of major social and commercial importance. The environmental cost of fossil-based fuel is becoming critical in the U.S. with the pollution of our Gulf Coast as proof to this issue. Within the scope of limited non-renewable energy sources and the limited capacity of the ecosystem for greenhouse gases and nuclear waste, sustainability is an important target in the future. The lack of available clean water and air has made parts of the world a very difficult place in which to live. This has created a strong environment for commercial investment in Cleantech. The 2009 Q3 investment level was \$1.59 billion with 67% distributed in North America, 29% in Europe and Israel, and 3% in China. Cleantech is the number one recipient of venture funding in the world (Source: L'Atelier, BNP Paribas Group). Solid state lighting alone is projected to increase in market size by 30.9% annual growth to \$1.3 billion by 2013.

Cleantech includes any technology or manufacturing process that reduces the environmental impact compared to existing technologies. Our Cleantech Session will address subjects including renewable energy, smart materials, energy storage, fuels and storage – as related to materials and coatings, air and water purification, energy efficient coatings, and easily recyclable products. Also, Cleantech refers to cleaner industrial processes by way of new coatings. For Chicago 2011, we will accept papers on photovoltaics in our Symposium on Manufacturing and Technology for Thin Film Photovoltaics.

The Cleantech Session is soliciting original work that covers topics on coating technology and films for Cleantech applications. Also, we solicit critical reviews of the field. Some papers will be considered for oral session and others will go into our poster session with enhanced discussion time.

Specifically, the categories of interest of this session include:

- *Smart Glazing and Energy Efficient Coatings*
- *Solar Thermal Coatings and Materials*
- *Large-Area Coating Technology for Cleantech*
- *Solid State Lighting and Daylighting Materials*
- *New Battery Materials*
- *Nanotechnology Applied to Clean Processes*
- *Water Purification and UV Catalysis*
- *Air Cleaning and Surface Cleaning*

Cleantech Reception Sponsors

Our reception last year was very well received and gave the speakers and industry representatives a chance for social networking. This reception is sponsored by private contributions and we are actively looking for Company Sponsors to help fund this reception. In exchange for your contribution, your company will receive notoriety as a sponsor in our program and at the reception. If your company is interested please contact Vivienne Mattox, SVC Executive Director, (505/856-7188; viviennemattox@svc.org).

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