

The International ICP Seminar Presented Latest Innovations in Conductive Polymers

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The XIIth International Seminar: Commercial Applications of Inherently Conductive Polymers (ICPs), run by Advanced Polymer Courses and sponsored by H.C. Starck, Bayer Material-Science, Abtech Scientific Inc., and Fractal Systems Inc., was held in Boston October 3–5, 2005. The meeting opened with a half-day tutorial on the different aspects of ICPs, from materials properties to applications and devices. The two remaining days included invited lectures from materials developers and suppliers such as H.C. Starck, Panipol, and Air Products with the latest ICP materials and formulations, and end-use or device

developers in areas such as light emission, biosensors, gas sensors, biomaterials, and corrosion control, among others (see Figure 1).

Included among the talks were advanced fundamental contributions. Richard Gregory (Old Dominion Univ.) spoke on polymer lasers and described how semiconducting/conjugated polymers that have been developed for light emission can also be engineered for use as lasing materials. Anthony Guiseppi-Elie (Virginia Commonwealth Univ.) reported on implantable biosensors based on polypyrrole in conjunction with electrochemistry using materials, hardware, and software that he developed. Dean M. DeLongchamp (National Institute of Standards and Technology) reported on the effect of processing of the most-used polymer in various applications and devices, poly(ethylenedioxythiophene) (PEDOT); and discussed its fundamental properties.

The meeting was attended by 36 participants, with 19 lectures in addition to the tutorial. Proceedings are available as PowerPoint presentations in pdf format on a CD.

The XIIIth International Seminar will be held in Florence, Italy, October 9–11, 2006, and information will be posted on the Web site at www.conductivepolymers.com. The



Figure 1. Color display by CDT Oxford Ltd., demonstrated at the ICP Seminar.



Attendees at the XIIth International Seminar: Commercial Applications of Inherently Conductive Polymers (ICPs) held in October 2005 in Boston.

conference will be organized by Matt Aldissi (Advanced Polymers Courses/Fractal Systems Inc.), and Stephan Kirchmeyer (H.C. Starck). For more information, contact Matt Aldissi, Fractal Systems Inc., 200 9th Avenue North, Suite 100, Safety Harbor, FL 34695 USA; tel. 727-723-3006, fax 727-723-3007, and e-mail maldissi@fractalsystemsinc.com.

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