

NEW REPORT!!!

ADVANCES IN POLYMER TECHNOLOGY

Highlights of Research with Commercial Applications

Polymer science has evolved over the years by a need to produce new materials for new applications. While some materials have been on the market for a while, there exists a need to optimize their properties to meet specific requirements. And when it comes to developing new materials, more emphasis is being placed on controlling the manufacturing process to manipulate molecular weight or develop novel architectures.

Polymers have experienced so much market success because it is possible to build properties into the material. Further advances in polymer research will enable the materials to meet the demand for highly specialized applications, such as those found in optics and electronics.

Almost daily, new developments are emerging from advanced materials and polymer research labs around the world: novel electroactive polymer actuators; polymer nanofilms; self-healing polymers; electrically conducting tissue; embedded waveguide sensors in polymer membranes...But to compete and—better yet—get an edge on your competitors, you must be the first to have this new technology. Technology can lead to innovative ideas and new products.

A Unique Opportunity

Now you have a unique opportunity to learn more about a variety of polymer research activities at universities, companies and government research labs worldwide. For the most part, these are technologies that you can develop into commercial processes or products in the short term. A new report from Functional Technology Intelligence—FTI—*Advances in Polymer Technology; Highlights of Research with Commercial Applications*—reviews important research efforts in polymer science. The report discusses potential commercial applications, and indicates when some potential products and processes will be commercially viable. Some of the technologies already may be commercially viable.

You'll learn of the latest efforts involving polymer research in the fields of electronics, nanotechnology, substrate science, detection, optics and healthcare. This report will help you take advantage of these technologies—through licensing or other collaborative arrangements—so that you can commercialize them before your competitors do. Contact information is provided for key researchers, enabling you to reach them and collaborate on innovative research.

Learn about advances on several fronts, including:

- Organic light-emitting diodes based on pi-conjugated polymers that offer significant advantages over other display materials.
- Polymer-based microsystems that use liquid-based photopolymerization to rapidly produce microcomponents in situ, that is, inside microchannels.
- The incorporation of nanoparticles into polymers to improve various properties.
- The design of new tissues using functional cells and biodegradable polymer scaffolds that have been appropriately configured.

Advances in Polymer Technology will enable you to track important developments involving polymer research. This report will help you establish contacts with key researchers and learn about projects that will help you and your company stay competitive. Return the completed order form today, and learn about the innovations that will help you stay competitive!

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For Further Reading

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