

Medical Grade Polymers 2010

The international business and technical conference for the medical manufacturing industry



**SAVE
\$190**
if you register
before August 2,
2010

14-15 September 2010
*The Hilton City Avenue, Philadelphia,
PA, United States*

Medical Grade Polymers 2010

September 14-15, 2010

The Hilton City Avenue, Philadelphia, PA, USA

Even in the economic downturn, the medical device manufacturing industry has maintained margins by taking measures to become as cost-effective as possible. Health care is continuing to improve quality of life with new devices.

Overall, the market is expected to continue growing with the aging population and increased life expectancy, and expanding markets in developing countries. Areas for expansion include home-use medical devices as patients expect to have more control and more easily operated equipment. This places heavy demands on designers, trying to make accessible technology with good safety features.

Innovations in medical procedures are giving rise to new medical devices with high level performance. Neurology is a key area for research to tackle brain and spinal cord injuries and restore patient functions. Cardiology is a key area for device use from catheters and stents to pacemakers and even artificial heart tissue. Joint replacements in orthopedics and tissue matrices are other examples of medical implants.

Many medical devices incorporate polymers, either as key components or as coatings to improve the biocompatibility of other materials. Polymers are relatively easy and cheap to manufacture, and in medicine they must also withstand sterilization procedures. Many devices require different properties such as stability of a stent combined with slow drug release to combat infections. Antimicrobials can also be added to the plastic to limit bacterial growth and silver ions have a key role here. All components of a device must pass extensive testing to minimize risk to the patient.

Medical Grade Polymers 2010 provides an expert forum for device designers, OEMs, manufacturers, researchers and suppliers to the industry. It is a unique place to hear about the latest technology and material trends and to debate important issues with top professionals.

Conference Hotline

Call Ms. Margit Korsak, Conference Director
on tel +1 610 478 0800 or fax on +1 610 478 0900
email: mk@amiplastics-na.com
for further information about this event

See the latest program and confirmed speakers at:
www.amiplastics-na.com

Five good reasons to attend:

Examine new materials for medical devices

Review device cleanliness and anti-infection measures

Study material properties and performance

Hear case studies of applications and use of polymers in the medical industry

Network with device manufacturers and industry suppliers

C O N F E R E N C E

TUESDAY, SEPTEMBER 14, 2010

8.00-9.00 Registration & welcome coffee
9.00 Opening announcements

SESSION 1 – RAW MATERIALS

- 9.10 **Strategies for qualification of raw materials in medical devices**
Dr. Elif Gurel, Staff Engineer
VISTAKON (JOHNSON AND JOHNSON VISION CARE),
United States
- 9.40 **Solutions for coloration and modification of polymer for medical devices & pharma applications. How much risk?**
Mr. Stephen Duckworth, Head of Marketing Segment
Medical
CLARIANT INTERNATIONAL BV MASTERBATCHES,
Switzerland
- 10.10 **Thinking 'pharma' to manage risks in plastic healthcare applications**
Dr. James Stern, Global Business Development Manager
BASELL POLYOLEFINS UK LTD., A LYONDELLBASELL
COMPANY, United Kingdom
- 10.40 – 11.10 Coffee break

SESSION 2 – PERFORMANCE & APPLICATIONS

- 11.10 **Healthcare trends – a resin supplier perspective**
Mr. Tom O'Brien, Global Marketing Director - Healthcare
SABIC INNOVATIVE PLASTICS, United States
- 11:40 **Polymers in cardiovascular catheters**
Dr. Vipul Davé, Engineering Fellow
CORDIS CORPORATION, United States
- 12.10 **Use of polydioxanone for biodegradable stent construction in benign stenoses treatment**
Assoc. Prof. Dr. Karel Volenec, Company Director
ELLA-CS, s.r.o., CZECH REPUBLIC
- 12.40 - 2.10 Lunch
- 2.10 **Next generation UHMWPE derivatives: challenges and opportunities**
Mr. Lou Matrisciano, Global Technology Director
MEDITECH MEDICAL POLYMERS, United States
- 2.40 **Study of environmental stress cracking of polyurethane using nanoscale thermal analysis**
Mr. Andy Hung, Scientist
BOSTON SCIENTIFIC, United States
- 3.10 **PEKK - rigid and flexible as required**
Mr. Tony DeCarmine, Technical Director
OXFORD PERFORMANCE MATERIALS, INC., United States
- 3.40 – 4.10 Coffee break
- 4.10 **Biodegradation mechanisms in polyurethanes – the effect of siloxane content**
Dr. Ajay D. Padsalgikar, Chief Scientific Officer
AORTECH BIOMATERIALS, Australia

PROGRAM

- 4.40 **Innovative material and design solutions for health care**
Dr. John Gavenonis, Global Health Care Manager
DUPONT PERFORMANCE POLYMERS, United States
- 5.10 **Vapor phase polymers for medical devices and packaging**
Dr. Rakesh Kumar, Vice President of Technology
SPECIALTY COATING SYSTEMS INC., United States
- 5.40-7.10 Cocktail reception

WEDNESDAY, SEPTEMBER 15, 2010

- 8.30-9.00 Welcome coffee
9.00 Opening announcements

SESSION 3 – SAFETY AND HYGIENE

- 9.10 **Shelf life determination of polymeric resins**
Mr. Ankit Gupta, Manufacturing Engineer
BOSTON SCIENTIFIC, United States
- 9.40 **Silver antimicrobials in medical devices: a practical guide**
Dr. Jeff Trogolo, Chief Technology Officer
AGION TECHNOLOGIES, INC., United States
- 10.10 **Assessing the cleanliness of medical devices: case studies**
Dr. Stephen Spiegelberg, President
CAMBRIDGE POLYMER GROUP, INC., United States
- 10.40 - 11.10 Coffee break
- 11.10 **Effects of sterilization on the mechanical properties of silicone rubber**
Mr. Michael J. Tzivianis, R&D Group Leader, Fluid Systems
SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION,
United States
- 11.40 **BPA free alternate medical grade polymers**
Mr. Kenneth E. Breeding, Jr., Technical Platform Manager
EASTMAN CHEMICAL COMPANY, United States
- 12.10-1.40 Lunch

SESSION 4 – INNOVATIVE MATERIALS

- 1.40 **New PEEK materials for medical devices**
Mr. Kevin Bonhoff, Manager, Market Development
EVONIK INDUSTRIES, United States
- 2.10 **High modulus engineered thermoplastic polyurethanes for medical applications**
Ms. Daphne N. Robinson, Sr. Application Development Engineer
LUBRIZOL ADVANCED MATERIALS, INC., United States
- 2.40 **High throughput discovery of polymers for the next generation of medical products**
Mr. Richard Snell, Business Development Director
ALTRIKA LTD., United Kingdom
- 3.10 Conference ends

SAVE \$190!
*Register before August 2, 2010
and save \$190*

Registration

To register you may fill out the attached form and fax it to 610-478-0900. Please contact Ms. Margit Korsak, Conference Director at 610-478-0800 or email: mk@amiplastics-na.com with any questions.

Venue

Philadelphia is on the East Coast of the US with a major international airport and in easy reach of New York and Washington DC. The city sights include historic buildings, museums, shopping malls and beautiful parks. It is a multicultural experience with many different types of dining and entertainment to offer.

Exhibition & sponsorship

A limited number of table top exhibition spaces will be available at Medical Grade Polymers 2010. The exhibition fee is \$1900 and includes 1 free delegate place.

There will also be a variety of cost effective sponsorship opportunities to maximize your corporate profile at this important event. For further information, contact Ms. Margit Korsak, Conference Director at Applied Market Information LLC at +1 610 478 0800 or e-mail: mk@amiplastics-na.com.

Organized by:

APPLIED MARKET INFORMATION LLC



Applied Market Information LLC is the North American operation of Applied Market Information Ltd, Europe's leading supplier of plastics consultancy and information services to the global plastics industry. AMI LLC can offer the full range of AMI services and products to North American clients. Together with our well-established European-based operations this means AMI is well placed to provide a truly global research capability to our clients. Based in Reading PA, Applied Market Information LLC can supply all of AMI's European directories and CDs and is developing a whole new range of products for the North American market. Its range of specialized services cover individual consulting services, multi-client reports, conferences and publishing.

To find out more about AMI's conference program or any of our other services and products visit our website at:

www.amiplastics-na.com or call the AMI LLC office at +1 610 478 0800

Applied Market Information LLC
833 North Park Road, Suite #204
Wyomissing, PA 19610
USA

Tel: +1 610 478 0800
Fax: +1 610 478 0900
Email: mk@amiplastics-na.com
Web: www.amiplastics-na.com

Applied Market Information Ltd.
AMI's European operations are based in Bristol in the United Kingdom and can be contacted directly as follows:

45-47 Stokes Croft
Bristol
BS1 3QP
United Kingdom

Tel: +44 117 9249442
Fax: +44 117 989 2128
Web: www.amiplastics.com

