

# Medical Plastic Devices:

## Design, Development, Processing, Regulations, Emerging Markets and Case Studies

**11-13 December 2019, Century Park Hotel, Bangkok, Thailand**

This training program is a specialized program focusing on medical plastic devices, aimed for everyone involved with medical plastics devices such as medical grade polymer material suppliers, device developers and manufacturers. This program is suitable for owners, technical service, R&D team, quality control, engineers and factory managers. The speaker, Mr. Len Czuba, a world-renowned Medical plastics devices expert from USA will be giving both informative and upto date developments in medical plastics industry.

### Contents

- Medical Plastic Device Industry Overview
- Product Requirements Definition
- Type of Medical Device
- Polymers of Construction
- Specialty Medical Compounds
- Product Development Process
- Processing for Quality, Low Cost & Safety
- Application of CAD, 3D Printing & Additive Manufacturing
- Testing & Qualification Requirements
- Role of the Regulatory Agencies/ by example: US FDA
- Important Reimbursement Process by CMMS, Insurance Agencies or Personal Pay
- Effect of Buying Groups or Organizations on New or Emerging Technologies
- Process Improvements to Make A Successful Product
- Sterilization to Kill / Deactivate Pathogens
- Packaging and labeling
- Global Market Trends & Forecast
- Challenges of Medical Plastics Development
- New Polymer Developments for Medical Devices
- Latest Developments in Global Regulations on Medical Devices
- Product Failure and Analysis
- Case Study: Fluid Containers
- Case Study : Renal or Kidney Failure Products
- Case Study: Fluid Delivery Accessories
- Case Study: Catheters
- Case Study: Molded Components
- Case Study: Specialty Products

## Trainer

## Len Czuba

**Len Czuba** is the president of his own product development firm, Czuba Enterprises (CEI), headquartered in Chicago. His product development experience and polymers expertise assist partner firms to take products, especially medical devices, from concept to market. He has a bachelor's degree in biosciences from Southern Illinois University. He has more than 30 years of experience in polymer synthesis, compounding and material development in the medical device industry. Prior to the formation of CEI, he was with Baxter Healthcare Corp. in the '70s, '80s and '90s, where he was involved in device engineering, blood and IV container work and new product development. He was responsible for several new material replacements for PVC and holds 15 U.S. patents for his work. He has worked on a wide variety of devices, both implantable and external accessories, used in the health care industry. In 2004, Czuba was honored as one of the 100 MD & DI Notable Persons in the medical device industry. He also is a frequent seminar instructor throughout the country and offers seminars and workshops around the globe. Czuba is a long-time member (since 1975) of the Society of Plastics Engineers (SPE), has been on the board of directors of the Medical Plastics Division since 1985 and has thrice served as the division chairman. In May 2000, Czuba was inducted to the ranks of honored service member and, in March 2015, became a fellow of the society. He served as SPE's president from 2005 – 2006 year and is now a distinguished honored-service fellow of SPE.



## Registration Fee

1,200 US\$/Person

### Remarks:

- The registration fee includes training documents, lunch and refreshments during training days.
- VAT 7% applies on registration fee.
- Early bird registration: 10% discount on registration fee for the registrations received before 30 Oct 2019.

## How To register?

Please register online at this link.

<https://trainingevent.technobiz-store.com/event-form-955/>

## Program Schedule

9am to 5pm

## Program Language

ENGLISH

## Contact Information

### Plastics Industry Department

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