Rubber Molding and Design of Rubber Molds
October 28-30, 2012, 8am-4:30pm each day

Seminar Overview

This seminar covers a broad range of topics that are fundamental to the molding of rubber mechanical goods and the design of rubber molds associated with those molded articles with no reference to the molding of tires. Applicable molding methods will be reviewed with emphasis on compression, transfer and injection molding. Current principles and techniques in the design of molds and molded parts design will be covered. Basic material processes and design factors will then be interrelated to provide an integrated perspective of rubber molding.

Each topic includes basic aspects of rubber mold design but also digs into lesser known rubber mold design techniques and concepts, making this seminar perfect for both the novice rubber mold designer and seasoned practitioner. The instructors draw upon their combined extensive career knowledge for this material, inviting and encouraging the attendees to participate in a work-shop format presentation by addressing their questions and specific rubber mold design applications. Attendees are encouraged to bring problematic drawings or parts for discussion by course instructors.

UWM is proud of its tradition of offering continuing education courses taught by "practitioners who use what they teach." This program is taught by Terry Chapin, Delphi Automotive Systems and Van Walworth, formerly with Parker-Hannifin, Wynn’s Precision, Ashtabula Rubber Company, and Thunderline Corporation and now a consultant

Who Should Attend

This seminar will benefit materials and process engineers, rubber mold designers, quality control personnel and managers responsible for these functions. Companies will benefit by sending teams of these personnel since their ability to work together is so important in an efficient design and manufacturing program, according to course planners.
Seminar Outline

- Basic Rubber Material Overview
- Basic Overview of Molds and Molding Processes
  - Compression
  - Transfer
  - Injection
- Over-View of Presses and Molding Equipment
- Basic Mold Construction
- Mold Steel and Finishing
- Cavity Inserts, Cores, and Core-Bars
- Gates, Venting, and Vacuum
- Runner Layouts and Cross-Sections
- Runner Design Techniques
- Flashless Molding Techniques
- Wasteless Molding Techniques
- Special Prototype Mold Designs
- Rubber to Metal Bonding and/or Over-Molding
- Mold Operation Techniques
- Tolerances for parts and molds
- Design For Manufacturability DFM
- Troubleshooting
- Workshop sessions with Q&A

8am-4:30pm Mon.-Tue., 8am-12pm Wed.
CEUs: 1.8 PDHs: 18
Program No. 4830-8331
FEE: $1,190 (includes workshop handout in a binder and lunch and breaks each day)

Early Bird: $990 - enroll before July 29, 2012 and save $200

For more information:

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