



NORTH AMERICAN DIE CASTING ASSOCIATION

# Hydraulic Seminar

Die casting machines are highly dependent on electro-hydraulic control systems. This 1-Day workshop overviews the electro-hydraulic valves including the ON/OFF solenoid-operated valves, the proportional valves, and the servo valves. This workshop discusses both the construction and the operating principles for each type of these valves. The workshop also presents datasheets for typical valves from the industry so that the audience learn about the standard terminologies and how to read the specs of the valve.

### When:

July 18, 2018  
8:00 am - 4:00 pm

### Where:

Custom Alloy Light Metals  
13329 Ector St  
City of Industry, CA 91746



**Instructor:**  
**Dr. Medhat Khalil,**  
CFPHS, CFPAL

Medhat Khalil, Ph.D., Director of Professional Education & Research Development at the Applied Technology Center, Milwaukee School of Engineering, Milwaukee, WI, USA. Medhat received his Bachelor and Master Degree in Mechanical Engineering from Cairo, Egypt. Medhat has been granted his Ph.D. in Mechanical Engineering and Post-Doctoral Industrial Research Fellowship from Concordia University in Montreal, Quebec, Canada. Medhat has been certified and a member of many grand institutions such as: Certified Fluid Power Hydraulic Specialist (CFPHS) by the International Fluid Power Society (IFPS), Certified Fluid Power Accredited Instructor (CFPAL) by the International Fluid Power Society (IFPS), Member of Center for Compact and Efficient Fluid Power Engineering Research Center (CCEFP), listed Fluid Power Consultant by the National Fluid Power Association (NFPA), and listed professional instructor by the American Society of Mechanical Engineers (ASME). Medhat has balanced academic and industrial experience. Medhat has deep working experience in the field of Mechanical Engineering; more specifically in fluid power and motion control. Medhat has published a couple of textbooks, published a good number of reviewed technical papers, and is in the process of registering number of patents. Medhat developed and taught various courses for industry professionals. Additionally, Medhat had worked for several world-wide recognized industrial organizations such as Rexroth in Germany and CAE in Canada. Medhat had designed several hydraulic systems and developed several analytical and educational software. Medhat also has vast experience in modeling and simulation of dynamic systems using Matlab-Simulink.

## Participant Information

Name (first, middle initial, last)

Business Title

Company

Mailing Address

City

State

Zip Code

Phone (include area code)

Email

## Registration Fee

The registration fee includes admission to the seminar, continental breakfast and lunch. For more information or specific dietary considerations, please contact Melisa Ryzner, CMP at 847.808.3161.

Category	Cost (per participant)*	Total
NADCA Member	\$450	\$ _____
Individual Member	\$500	\$ _____
Non-Member	\$600	\$ _____

## Payment Method (payment must accompany registration)

Company/Personal Check

Visa®

MasterCard®

American Express®

Total Amount (in U.S. Dollars)

□□ / □□

Credit Card Number

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Cardholder's Name (first, middle, last)

Cardholder's Signature (required for processing)

Please fill out the form and return it with the appropriate fees to:  
3250 N. Arlington Heights Rd., Ste. 101 • Arlington Heights, IL 60004  
P: 847.279.0001 • F: 847.279.0002  
E: mryzner@diecasting.org