

## Questions:

If you have questions regarding any of the seminars or workshops described in this schedule, please contact:

Matt Jacobs at:  
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Phone: (847) 252-1661

## Fee Structure:

### Workshops:

Participation fees for MAGMAacademy Workshops are \$1,900 for customers and \$2,350 for non-customers. The fee includes materials and lunches.

### Seminars\*:

Participation fees for any of the MAGMAacademy Seminars are \$500.00. The fee includes materials and meals.

\* A minimum of 8 attendees must register for the seminars to be held. Maximum capacity is 20.

**SPECIAL NOTE:** For all MAGMAacademy seminars, each confirmed and paid attending company may have one additional employee attend for free.

Photographs or videos taken at MAGMA events may be used on the MAGMA website and in MAGMA promotional materials.

## Registration Procedure:

If you would like to register for any of the seminars or workshops in this schedule, please go to the MAGMAacademy section of our website.

[magma-soft.com](http://magma-soft.com)



MAGMA Foundry Technologies, Inc.  
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MAGMAacademy contact:

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# 2020 MAGMAacademy Workshop & Seminar Schedule

**YOU ARE INVITED TO JOIN US!**

**CUSTOMERS OR  
NON-CUSTOMERS**



The Workshop and Seminars are open to anyone who is interested, including, but not limited to:

Process Engineers  
Quality Engineers  
Management  
Metallurgists  
Pattern Engineers  
Tooling Engineers  
Sales & Marketing  
New hires, and more

## Optimization Workshops

Workshops are a combination of lecture based seminars paired with hands-on learning. This workshop was created specifically for the fully trained direct software user. The purpose of this workshop is to aid users in more efficient application of the Autonomous Optimization tools and methods. Some time may be spent reviewing concepts and techniques that were covered in brevity in the earlier trainings, but the primary purpose is to aid users in understanding how they can apply Autonomous Optimization for efficiency in all project work. Time will be spent on more advanced concepts and techniques that were not provided in update trainings or in Level 1 & 2 coursework. Users will be provided a dedicated workstation and prepared projects for use in the class.

**Optimization Application Workshop - Iron**  
**March 25-27, 2020**

**Optimization Application Workshop**  
**Non-Ferrous July 15-17, 2020**

**Optimization Application Workshop - HPDC**  
**November 11-13, 2020**

# 2020 MAGMAcademy Events Schedule

MAGMA Foundry Technologies, Inc.  
Seminars and Workshops

## C+M Workshop At Laempe+Reich, Trussville, AL April 7-8, 2020

This workshop is a hands-on core making program. Attendees will be interacting with coremaking equipment and machinery. Machine operation variables, core sand variables, and binder variables will be investigated. Additionally, the attendees will gain a better understanding on how factors like: tooling, sand characteristics, shooting, blowing and venting layouts play important roles in the quality of sand cores, and in turn, influence the quality of metal castings.

## Seminars

### March 2020: HPDC - Root Cause Defects March 18-19, 2020

This seminar will help the attendees to define casting defects and the root causes behind them. Attendees will have the opportunity to bring in a casting defect for discussion.

### May 2020: Steel & Copper Gating Design Principles May 13-14, 2020

This course will review relevant research related to defect formation during mold filling and will demonstrate how these research findings relate to MAGMASOFT® simulation results. Common gating design practices will be discussed and evaluated according to the relevant research findings and simulation results. Case studies will be reviewed to highlight both effective and ineffective gating design practices. This course is ideal for anyone that is designing gating systems, providing input

into gating system design or anyone that would like to better understand mold filling defects and how to avoid the conditions that cause them to occur.

### June 2020: Iron - Root Cause Defects Monterrey, Mexico June 3-4, 2020

This seminar will help the attendees to define casting defects and the root causes behind them. Attendees will have the opportunity to bring in a casting defect for discussion.

### HPDC - Overview and Results June 24-25, 2020

This seminar is ideal for those who view results or have some exposure to MAGMASOFT®, but do not need to know how to actually operate the software. This program will cover an overview of the different parts of the software and what information the software user needs to have in order to correctly set up a simulation or optimization.

### July 2020:

### Iron - Root Cause Defects July 29-30, 2020

This seminar will help the attendees to define casting defects and the root causes behind them. Attendees will have the opportunity to bring in a casting defect for discussion.

