

International MAGMA User Meeting 2024

October 9-11, 2024

RADISSON BLU – Frankfurt

Don't forget
to **SAVE** the
DATE!
&
REGISTER
NOW!

MAGMA

Wednesday, October 9, 2024

19:00 **MAGMAwelcome**

Thursday, October 10, 2024

08:30 Registration

09:00 **Welcome and Plenary Presentation I**

10:30 Coffee Break

11:00 **Plenary Presentation II**

12:30 Lunch

14:00 **MAGMAworkshops**

- **Cast Iron**
- **Steel Casting**
- **Die Casting (HPDC)**
- **Non-Ferrous Applications**
(Permanent Mold/LPDC/Sand Casting)
- **Core Making Processes**
- **Continuous Casting**

17:00 End of Day 1

18:30 **MAGMAevening**

Friday, October 11, 2024

08:30 **Plenary Presentation III**

10:00 **MAGMAforums**

- Short presentations on dedicated topics
- Discussion & exchange

13:00 **Resumee & Closing of the User Meeting**

13:15 Lunch

Please choose one of our
six workshops!



Confirmed Speakers (Status August 12, 2024)

- **Nebi Akgün**, Trakya Döküm San. ve Tic. A.Ş. Head Office, Türkiye, *Continuous Improvement with Creative Solutions for Optimizing Casting Quality*
- **Albert An**, China Machinery Industrial Products Co., Ltd., China, *Simulation Topics of Solidification of Sand Steel Casting*
- **Cem Aydın & Mahmut Mert Buldu**, Döktaş Dökümcülük Ticaret ve Sanayi A.Ş. Orhangazi, Türkiye, *Lightweight Efforts on Cast Iron Parts*
- **Devrim Bildirici**, Süperpar Otomotiv Sanayi ve Ticaret A.Ş., Türkiye, *How to Achieve the Best Compact Gating Design and Balanced Filling for Multi-Cavity HPDC?*
- **Allessia Casari**, Fonderie Mario Mazzucconi S.p.A., Italy, *Mechanical Properties Comparison Between Simulated and Measured Data on an AISI7Mg03 LPDC Crossmember Through T6 Heat Treatment*
- **Yiğit Çatal**, Döktaş AŞ Manisa, Türkiye, *Evaluation of Residual Stresses Origination in Structural Analysis with MAGMALink*
- **Baris Çavunt & Deniz Güler**, Döktaş A.Ş. Manisa, Türkiye, *Creative Solutions for an E-Mobility Housing Using Sand Cores in Low-Pressure Casting*
- **Fredrik Cooper**, Pressure Die Casting Pty. Ltd., South Africa, *Using a Modified Neural Network with MAGMASOFT® Optimization Data to Select Optimum Conditions for HPDC Processes*
- **Thien Dang**, TRIMET Aluminium SE, Germany, *Behaviour of Grain Refiner Particles in the Tundish/ Launder of R&D Casting Facility*
- **Stephan Goeke**, Volkswagen AG, Werk Kassel, Germany, *Validating Flow Simulations with AI-Based Optical Quality Control: A Systematic Approach to Detecting Sub-Millimeter Defects*
- **Jin-Kwan Kim**, Hyundai Motor Company Namyang R&D Center, South Korea, *Data-Driven Prediction Study of Elongation Dispersion in High-Pressure Cast Components*
- **Milan Luňák**, Top Alulit s.r.o., Czech Republic, *Indirect Squeeze Casting Technology for the Automotive Industry*
- **Ayyappan Manikandan**, Aquasub Engineering Unit V, India, *Finding a Real Solution*
- **Edmundo Oliveira**, Fill Gesellschaft m.b.H., Germany, *DOSING SYSTEM ROBOCAST V – Revolutionizing Aluminum Casting – The Introduction of ROBOCAST V for Greater Efficiency*
- **Canan Seçgen**, Akdas Döküm Sanayi ve Tic. A.Ş., Türkiye, *Record-Breaking Casting Success Powered by MAGMA's Expertise*
- **Sefer Sezen**, Can Metal Enjeksiyon Döküm Sanayi ve Tic. A.Ş., Türkiye, *Castability Study and Reducing Scrap With Optimization of a Steering Housing*
- **Mohammed Shakeer Khan**, TU Bergakademie Freiberg, Germany, *Development of a Spiral CB System for Core Curing Experiments with the Aid of Numerical Simulation*
- **Emir Subasic**, ACCESS e.V., Germany, *Optimized Production of FeAl-Based Steam Turbine Blades Using MAGMASOFT® Rotacaster & Investment Casting*
- **Chittaranjan Swain**, Godrej & Boyce Mfg. Co. Ltd., India, *Attempt to do First Time Right through MAGMASOFT® Simulation*
- **Siddhant Thobhani**, Bocar GmbH, Germany, *Adjustment of Alloy Properties and Heat Transfer Conditions for Realistic Simulations*



Confirmed Speakers (Status August 12, 2024)

- **Gülşah Uslu**, Pınar Döküm Sanayi ve Ticaret A.Ş., Türkiye, *Our Coming Challenges in Pınar Döküm with MAGMASOFT®*
- **Ali Uzunca & Eren Bozkurt**, CMS Jant ve Makina Sanayii A.Ş., Türkiye, *Finding the Right Inputs for Simulation Inverse Engineering*
- **Alberto Vergnano & Hamed Rezvanpour**, University of Modena and Reggio Emilia - UNIMORE, Italy, *Casting Optimization and Robust Design Considering Composition Uncertainties of Secondary Alloys in the Horizon Europe Project "RecAL"*
- **Chen Xiuming**, Weichai Power Co. Ltd., China, *Application of MAGMASOFT® on Engine Components*
- **Çağatay Zadeoğlu**, Kirpart Otomotiv San. ve Tic. A.Ş., Türkiye, *Filling Phase Optimization with MAGMASOFT® in HPDC*



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