

Virtual International MAGMA User Meeting 2020

October 6-8, 2020, Aachen, Germany

DAY 1 - Tuesday, October 6, 2020

LIVE SESSION 1

8.45am - 12.15pm (UTC+2)

WELCOME		8.45 - 9.00	WELCOME	
● Session Die Casting (HPDC)			● Session Steel Casting	
<ul style="list-style-type: none"> “Variotherm Temperature Control in High Pressure Die Casting”, Dr. Frank Schmidt, KSM Castings Group 	9.00 - 9.30	<ul style="list-style-type: none"> “Material- and Process Development for Large Scale Steel Castings on Example of Low Temperature Applications for Offshore Components by Means of Thermophysical Modelling and Simulation”, Reinhold Hanus and Guido Tischler, voestalpine Linz 		
<ul style="list-style-type: none"> “Optimization Strategies in HPDC”, Vanderlei Zalamena, STIHL do Brazil 	9.30 - 10.00	<ul style="list-style-type: none"> “Benefits of Optimization approach in Pinar Foundry”, Yücel Aydoğan, Pinar Foundry 		
<ul style="list-style-type: none"> “A Practical Experience on Solving HPDC Problems by Stress Analysis & MAGMA-SOFT®” Gary/Kuan Ying Chen, voestalpine China 	10.00 - 10.30	<ul style="list-style-type: none"> “First Experience with Steel Castings and Magma”, John van Falier, Van Voorden Gieterijen B.V. 		
Break/ Social Activity (Stream)		10.30 - 10.45	Break/ Social Activity (Stream)	
<ul style="list-style-type: none"> “Dimensional Stability of a Structural Casting through Pre-deflection of the Die” Dr. Ioan-Horian Stanescu, Volkswagen AG 	10.45 - 11.15		<div style="border: 1px solid black; padding: 10px; text-align: center;">  <p>Web Cast Steel Casting</p> <p><i>Special guest: Reinhold Hanus, voestalpine</i></p> <p><i>Join our live webcast discussion and learn “Efficient Evaluation in the Result Perspective” with Daniel Schmidt, MAGMA Germany</i></p> </div>	
<ul style="list-style-type: none"> “How to Track Entrapped Air with MAGMA-SOFT®”, Guido Dietrich, MAGMA Germany 	11.15 - 11.30			
<div style="border: 1px solid black; padding: 10px; text-align: center;">  <p>Web Cast Die Casting (HPDC)</p> <p><i>Guido Dietrich - Q&A “Entrapped Air”</i></p> <p><i>Join our live webcast discussion and learn about “Heat Treatment Simulation of Structural Castings” with Heinz-Jürgen Gaspers, MAGMA Germany</i></p> </div>		11.30 - 12.00	<ul style="list-style-type: none"> “Research and Application of Quantitative Criteria for Shrinkage Cavity Defects of Steel Castings Based on MAGMASOFT®” Han Tongtong, Erzhong (Deyang) Heavy Industrial Equipment Co.Ltd 	
		12.00 - 12.15	<ul style="list-style-type: none"> “Don’t Panic! A Few Remarks on Hot Tearing and Residual Stresses” Jörg Zimmermann, MAGMA Germany 	
Social Activity (Stream)		12:15	Social Activity (Stream)	

Virtual International MAGMA User Meeting 2020

October 6-8, 2020, Aachen, Germany

DAY 1 - Tuesday, October 6, 2020

LIVE SESSION 2

2.45pm - 6.15pm (UTC+2)

WELCOME		2.45 - 3.00	WELCOME	
● Session Die Casting (HPDC)			● Session Steel Casting	
<ul style="list-style-type: none"> “Variotherm Temperature Control in High Pressure Die Casting”, Dr. Frank Schmidt, KSM Castings Group 	3.00 - 3.30	<ul style="list-style-type: none"> “Material- and Process Development for Large Scale Steel Castings on Example of Low Temperature Applications for Offshore Components by Means of Thermophysical Modelling and Simulation”, Reinhold Hanus and Guido Tischler, voestalpine Linz 		
<ul style="list-style-type: none"> “Optimization Strategies in HPDC”, Vanderlei Zalamena, STIHL do Brazil 	3.30 - 4.00	<ul style="list-style-type: none"> “Benefits of Optimization Approach in Pinar Foundry”, Yücel Aydoğan, Pinar Foundry 		
<ul style="list-style-type: none"> “A Practical Experience on Solving HPDC Problems by Stress Analysis & MAGMA-SOFT®” Gary/Kuan Ying Chen, voestalpine China 	4.00 - 4.30	<ul style="list-style-type: none"> “First Experience with Steel Castings and Magma”, John van Falier, Van Voorden Gieterijen B.V. 		
Break/ Social Activity (Stream)		4.30 - 4.45	Break/ Social Activity (Stream)	
<ul style="list-style-type: none"> “Dimensional Stability of a Structural Casting through Pre-deflection of the Die” Dr. Ioan-Horian Stanescu, Volkswagen AG 	4.45 - 5.15	<div style="text-align: center;">  <p>Web Cast Steel Casting</p> <p><i>Special guest: Reinhold Hanus, voestalpine</i></p> <p><i>Join our live webcast discussion and learn “Efficient Evaluation in the Result Perspective” with Daniel Schmidt, MAGMA Germany</i></p> </div>		
<ul style="list-style-type: none"> “How to Track Entrapped Air with MAGMA-SOFT®”, Guido Dietrich, MAGMA Germany 	5.15 - 5.30			
<div style="text-align: center;">  <p>Web Cast Die Casting (HPDC)</p> <p><i>Guido Dietrich - Q&A “Entrapped Air”</i></p> <p><i>Join our live webcast discussion and learn about “Heat Treatment Simulation of Structural Castings” with Heinz-Jürgen Gaspers, MAGMA Germany</i></p> </div>		5.30 - 6.00	<ul style="list-style-type: none"> “Research and Application of Quantitative Criteria for Shrinkage Cavity Defects of Steel Castings Based on MAGMASOFT®” Han Tongtong, Erzhong (Deyang) Heavy Industrial Equipment Co.Ltd 	
		6.00 - 6.15	<ul style="list-style-type: none"> “Don’t Panic! A Few Remarks on Hot Tearing and Residual Stresses” Jörg Zimmermann, MAGMA Germany 	
Social Activity (Stream)		6:15	Social Activity (Stream)	

Virtual International MAGMA User Meeting 2020

October 6-8, 2020, Aachen, Germany

DAY 2 - Wednesday, October 7, 2020

LIVE SESSION 1

8.45am - 12.15pm (UTC+2)

8.45 - 9.00		WELCOME
 Session Cast Iron	 Session Continuous Casting	
<ul style="list-style-type: none"> Introduction and Global Roll-out of MAGMASOFT® at Continental”, Christoph Keil, Continental Teves 9.00 - 9.30 “Optimization of Green Sand Thermophysical Properties for Simulation of Cast Iron Processes”, Andreas Cziegler, ÖGI 9.30 - 10.00 “Using Simulation to Improve CGI Cylinder Head Quality”, João Guilherme Kress Hardt, Tupy Brazil 10.00 - 10.30 	<ul style="list-style-type: none"> Experimental Validation of Continuous Casting Simulations, Thien Dang, Trimet 9.00 - 9.30 Simulation-based Analysis for Optimization of Casting Process in AA-7075, Siamak Rafiezadeh, AMAG casting GmbH 9.30 - 10.00 Stress Calculation with MAGMA CC, Erik Hepp, MAGMA Germany 10.00 - 10.30 	
Break/ Social Activity (Stream)	10.30 - 10.45	Break/ Social Activity (Stream)
<ul style="list-style-type: none"> “Simulating Core Gas Defects”, Mathias Bodenburg, MAGMA GmbH 10.45 - 11.15 “Tips & Tricks” Mathias Bodenburg, MAGMA Germany 11.15 - 11.30 		<div style="text-align: center;">  <p>Web Cast Continuous Casting</p> <p><i>Special guest: Andrew McFarlane, AMETEX</i></p> </div>
<div style="text-align: center;">  <p>Web Cast Cast Iron</p> </div>	<ul style="list-style-type: none"> First Set Up of DC Casting Project, David Jelinek, MAGMA Czech Republic 11.30 - 12.00 Tips and Tricks, Constantino Krafthöfer, MAGMA Germany 12.00 - 12.15 	
Social Activity (Stream)	12:15	Social Activity (Stream)




Virtual International MAGMA User Meeting 2020

October 6-8, 2020, Aachen, Germany

DAY 2 - Wednesday, October 7, 2020

LIVE SESSION 2

2.45pm - 6.15pm (UTC+2)

2.45 - 3.00		WELCOME
 Session Cast Iron	 Session Continuous Casting	
<ul style="list-style-type: none"> “Introduction and Global Roll-out of MAGMASOFT® at Continental”, Christoph Keil, Continental Teves 3.00 - 3.30 “Optimization of Green Sand Thermophysical Properties for Simulation of Cast Iron Processes”, Andreas Cziegler, ÖGI 3.30 - 4.00 “Using Simulation to Improve CGI Cylinder Head Quality”, João Guilherme Kress Hardt, Tupy Brazil 4.00 - 4.30 	<ul style="list-style-type: none"> Experimental Validation of Continuous Casting Simulations, Thien Dang, Trimet 3.00 - 3.30 Simulation-based Analysis for Optimization of Casting Process in AA-7075, Siamak Rafiezadeh, AMAG casting GmbH 3.30 - 4.00 Stress Calculation with MAGMA CC, Erik Hepp, MAGMA Germany 4.00 - 4.30 	
Break/ Social Activity (Stream)	4.30 - 4.45	Break/ Social Activity (Stream)
<ul style="list-style-type: none"> “Simulating Core Gas Defects”, Mathias Bodenbug, MAGMA GmbH 4.45 - 5.15 “Tips & Tricks” Mathias Bodenbug, MAGMA Germany 5.15 - 5.30 		<div style="text-align: center;">  <p>Web Cast Continuous Casting</p> <p><i>Special guest: Andrew McFarlane, AMETEX</i></p> </div>
<div style="text-align: center;">  <p>Web Cast Cast Iron</p> </div>	<ul style="list-style-type: none"> First Set Up of DC Casting Project, David Jelinek, MAGMA Czech Republic 5.30 - 6.00 Tips and Tricks, Constantino Krafthöfer, MAGMA Germany 6.00 - 6.15 	
Social Activity (Stream)	6:15	Social Activity (Stream)

Virtual International MAGMA User Meeting 2020

October 6-8, 2020, Aachen, Germany

DAY 3 - Thursday, October 8, 2020

LIVE SESSION 1

8.45am - 12.15pm (UTC+2)

8.45 - 9.00		WELCOME	
● Session Non-Ferrous Applications		● Session Core Making Processes	
- "Life Cycle of Sand Cores", Jesper Thorborg, MAGMA Germany	9.00 - 9.30	- "Life Cycle of Sand Cores", Jesper Thorborg, MAGMA Germany	
- "Microporosity Analysis in Steel and Aluminum Castings", Gabriel Moraes, MAGMA Brasil	9.30 - 10.00	- "Virtual Core Shooting Machine - What is Behind the Process", Lubos Pavlak, MAGMA Germany	
- "Utilization of MAGMA Thermal Analysis Using MAGMAnonferrous", Petr Kotas, MAGMA Czech Republic	10.00 - 10.30	- "Cycle Time Reduction", Mauricio Velazquez, MAGMA USA	
Break/ Social Activity (Stream)		Break/ Social Activity (Stream)	
- "Using the MAGMASOFT® Module MAGMAIpdC", Simon Olive, MAXIMA	10.45 - 11.15		
- "Binder Degredation", Constantino Krafthöfer, MAGMA Germany	11.15 - 11.30		
		11.30 - 12.00	- "Core in Core", Janez Pristavec, Exoterm
		12.00 - 12.15	- "Reliable Prediction of Core Box Wear", Ingo Wagner, MAGMA Germany
Social Activity (Stream)		Social Activity (Stream)	
12:15			

Virtual International MAGMA User Meeting 2020

October 6-8, 2020, Aachen, Germany

DAY 3 - Thursday, October 8, 2020

LIVE SESSION 2

2.45pm - 6.15pm (UTC+2)

2.45 - 3.00		WELCOME
● Session Non-Ferrous Applications		● Session Core Making Processes
<ul style="list-style-type: none"> “Life Cycle of Sand Cores”, Jesper Thorborg, MAGMA Germany 	3.00 - 3.30	<ul style="list-style-type: none"> “Life Cycle of Sand Cores”, Jesper Thorborg, MAGMA Germany
<ul style="list-style-type: none"> “Microporosity Analysis in Steel and Aluminum Castings”, Gabriel Moraes, MAGMA Brasil 	3.30 - 4.00	<ul style="list-style-type: none"> “Virtual Core Shooting Machine - What is Behind the Process”, Lubos Pavlak, MAGMA Germany
<ul style="list-style-type: none"> “Utilization of MAGMA Thermal Analysis Using MAGMAnonferrous”, Petr Kotas, MAGMA Czech Republic 	4.00 - 4.30	<ul style="list-style-type: none"> “Cycle Time Reduction”, Mauricio Velazquez, MAGMA USA
Break/ Social Activity (Stream)		Break/ Social Activity (Stream)
<ul style="list-style-type: none"> “Using the MAGMASOFT® Module MAGMAIpdC”, Simon Olive, MAXIMA 	4.45 - 5.15	
<ul style="list-style-type: none"> “Binder Degredation”, Constantino Krafthöfer, MAGMA Germany 	5.15 - 5.30	
	5.30 - 6.00	<ul style="list-style-type: none"> “Core in Core”, Janez Pristavec, Exoterm
	6.00 - 6.15	<ul style="list-style-type: none"> “Reliable Prediction of Core Box Wear”, Ingo Wagner, MAGMA Germany
Social Activity (Stream)		Social Activity (Stream)
6:15		