



21st ABIFA FOUNDRY CONGRESS

The Future of Brazil's Competitive Foundry Industry

CHECK OUT THE FULL PROGRAM SCHEDULE



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| 21st ABIFA FOUNDRY CONGRESS


The knowledge that drives the foundry industry starts here

Tickets are now available for the congress that brings together the leading names, technologies, and discussions in the sector, held alongside FENAF 2026.

IN-PERSON FORMAT	4 DAYS	3 DAYS	2 DAYS	1 DAY
ABIFA Member	R\$800,00	R\$700,00	R\$500,00	R\$300,00
Non-ABIFA Member	R\$1.300,00	R\$1.200,00	R\$850,00	R\$500,00
Professor	R\$650,00	R\$600,00	R\$450,00	R\$250,00
Paper Presenters	-	R\$450,00	R\$400,00	R\$250,00
ONLINE FORMAT	4 DAYS	3 DAYS	2 DAYS	1 DIA
ABIFA Member	R\$550,00	R\$450,00	R\$350,00	R\$200,00
Non-ABIFA Member	R\$650,00	R\$550,00	R\$450,00	R\$250,00

Secure your spot – limited tickets available.

 **July 21 to 24, 2026**

 São Paulo Expo - SP

Organized by:



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PROGRAM SCHEDULE

07/21/2026 – Non-Ferrous + Opening Ceremony

08:00 AM	REGISTRATION	
08:30 AM	OPENING CEREMONY	
08:50 AM	KEYNOTE LECTURE: "The Future of Foundry in Brazil: Productivity, Technology, and the Geopolitics of Value Chains," with Prof. Dr. Haroldo Silva, economist, lawyer, and president of Corecon/SP	
09:10 AM		
09:30 AM	COFFEE	
10:00 AM	PAPER 01: Influence of catalyst quantity on bench life and strength of different foundry sands in the cold-curing process	Santiago Maya Johnson Igor Villas Boas Martins Peter Miura Nakachima André Luís Pereira
10:20 AM	PAPER 02: Evaluation of granular sodium chloride as a refining and protective agent in A356 aluminum melt	Tiago Schmidt Souza Túlio Sérgio Nascimento Mateus Rocha Lima Régis Fabiano Amaral Sérgio Luíz Telles Bartex Vinicius Karlinski de Barcellos
10:40 AM	PAPER 03: Shortage of skilled labor – An analysis of the current scenario and suggestions for possible solutions	Cleber Rodrigo de Lima Lessa
11:10 AM	PAPER 04: Effect of cooling rate and titanium-boron grain refiners in aluminum alloys	Mariana Luíza Souza da Silva André Tavares de Oliveira Endo Daniel Fraga Pinto Paula Cibely Alves Flausino Nayara Aparecida Neres da Silva Maria Aparecida Pinto
11:30 AM	Q&A SESSION WITH ALL SPEAKERS	
12:00 PM	CLOSING REMARKS	

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PROGRAM SCHEDULE 07/22/2026 – Steel and White Iron

08:00 AM	REGISTRATION	
08:30 AM	PAPER 01: Evaluation of the thermal expansion of silica sand, ceramic sand, and chromite sand for green sand molds and for the cold-curing process with sodium silicate	Vitor Trindade Camacho Túlio Sérgio Nascimento Regis Fabiano do Amaral Vinícius Karlinski de Barcellos
08:50 AM	PAPER 02: Analysis of the properties of silica sand and ceramic sand bonded with natural resin, activated sodium bentonites, and water at room temperature and at -40°C	Túlio Sérgio Nascimento Matheus Rocha Lima Vitor Trindade Camacho Régis Fabiano Amaral Vinicius Karlinski de Barcellos
09:10 AM	PAPER 03: Origin of cracks in high-chromium white cast iron parts	Ricardo Fuoco
09:30 AM	COFFEE	
10:00 AM	PAPER 04: Evaluation of the abrasive wear resistance of cast steel treated by quenching and partitioning – T&P	Denilson José do Carmo Natália Fernanda Santos Pereira Cristiano de Faria Soares Wendel de Carvalho Torres Deilon Lopes Fernandes Marcelo de Araújo Câmara
10:20 AM	PAPER 05: Advances in cast part production: efficiency of the cold box process and tree pouring in the manufacture of mill hammers	Jeisson Wagner Padilha Cleber Rodrigo de Lima Lessa

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PROGRAM SCHEDULE

07/22/2026 – Steel and White Iron

10:40 AM	PAPER 06: Effects of Cryogenic Heat Treatments on the Microstructure and Wear of High-Chromium White Cast Iron	Robson Silva Bussoloti Cleber Rodrigo de Lima Lessa Murilo Carmelo Satolo Marques Alessandro Fraga Farah Jan Vataavuk Cleber Caramati Machado Nathanael Wagner Sales Morais
11:10 AM	PAPER 07: Optimization of the Casting Design of a Mining Component Using Solidification Simulation and Microstructural Characterization Techniques	Bianka Nani Venturelli Cassio Junqueira da Silva Hélio Santana Oliveira Alberto Holanda Cavalcanti
11:30 AM	Q&A SESSION WITH ALL SPEAKERS	
12:00 PM	CLOSING REMARKS	

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PROGRAM SCHEDULE 07/23/2026 – Cast Iron

08:00 AM	REGISTRATION	
08:30 AM	PAPER 01: The Influence of FeSiMg Alloy Particle Size Distribution on the Thermal and Physical Properties of Ductile Cast Iron	Márcio A. Rocha Júnior Taner Vitor Souza Lelis Failon da Silva Mendonça
08:50 AM	PAPER 02: Automated Analysis of Active Clay for Industrial Samples	Jennifer Bentz, Claude Ceniza, Anthony Gossner e Reza Hashemi Saskatchewan Research Council SRC Pipe Flow Technology Centre
09:10 AM	PAPER 03: Environmental Assessment of a Foundry Waste Sand Disposal Area (ADF) in Joinville/SC: Implications for Soil, Water, and Biodiversity Quality	Raquel Luísa Pereira Carnin Fernanda Kretschmer João Artur de Souza Gisleiva Cristina dos Santos Ferreira Luís Fernando Ronchi
09:30 AM	COFFEE	
10:00 AM	PAPER 04: Process Optimization in Ductile Cast Iron: Elimination of Risers with Sleeves Through the Use of Eutectic Alloy and Numerical Simulation	Andreas Miguel Diesel Deyvi Rodrigo Arantes Januário Donizete Mullign Frank Marlon Natael Raach Rafael Luis Mombach
10:20 AM	PAPER 05: Casting of a Ductile Cast Iron Flange After Simulation in Magmasoft® Software to Verify the Detected Defects	Odilon de Moraes Júnior Mateus Botani de Souza Dias Fernando Antonio Corrêa Antenor Ferreira Filho Cleiton Rogério de Abreu



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07/23/2026 – Cast Iron

10:40 AM	PAPER 06: Metallurgical Optimization and Cost Reduction in the Tundish Cover Nodularization Process	Tomás Henrique Gonçalves Reyler Bueno Faria
11:10 AM	PAPER 07: Demolding Time in Iron Casting: Influence on Microstructure, Hardness, and Production Efficiency	Felipe Rainer Piza da Silva
11:30 AM	Q&A SESSION WITH ALL SPEAKERS	
12:00 PM	CLOSING REMARKS	

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PROGRAM SCHEDULE 07/24/2026 – Investment Casting

08:00 AM	REGISTRATION	
08:30 AM	PAPER 01: Decision-Making Methodology for Selecting Simulation Technology in the Investment Casting Process.	Mauricio S. de Oliveira Jr Fernando R. Montagner
08:50 AM	PAPER 02: Benefits of Applying CoAl ₂ O ₄ as an Additive in Refractory Slurries for the Investment Casting Process.	Rodrigo Calçada da Costa Vinicius Karlinski de Barcellos
09:10 AM	PAPER 03: Gating System for the Production of Parts in Investment Casting.	Ricardo Fuoco
09:30 AM	COFFEE	
10:00 AM	PAPER 04: Investment Casting: Review of Important Steps for Simulation	Joern Schmidt Reinaldo Oliveira Gabriel Colleoni S. S. de Moraes
10:20 AM	PAPER 05: Not All Foundry Sands Are the Same	Santiago Maya Johnson Peter Miura Nakachima André Luís Pereira

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PROGRAM SCHEDULE 07/24/2026 – Investment Casting

10:40 AM	PAPER 06: The Importance of Sand Cores in Foundry Operations	Joern Schmidt Reinaldo Oliveira Felipe Cebukin
11:10 AM	PAPER 07: Experimental Design for the Electrical Energy Consumption of an Electric Arc Furnace	Rafael Moraes Patrícia Mijone Roger Nascimento Carlos Eduardo Santos
11:30 AM	Q&A SESSION WITH ALL SPEAKERS	
12:00 PM	CLOSING REMARKS	