



Conference Programme

Sunday May 16

14:00 – 18:00 Registration
18:00 – 20:00 Reception and exhibition preview

Monday May 17

08:00 – 09:00 Registration
10:00 – 16:00 Exhibition

Plenary Session 1: Chairman Carlos Olabe, President of EICF

09:00 – 09:15	Welcome and Official Opening of Conference	Prof. Jacek Majchrowski (Mayor of Kraków)
09:15 – 09:45	Market Review	R. Williams (Blayson Olefines), K Itoh (Japan Foundry Society)
09:45 – 11:15	OEM Forum – markets and prospects from aero, IGT and auto industries	Invited senior representatives
11:15 – 11:45	<i>Break</i>	
11:45 – 12:15	Key Note Lecture – Physico-chemical aspects of structural defects in investment castings	N Sobczak (Foundry Research Inst)
12:15 – 12:45	The latest research related to investment casting at the Brno University of Technology	M Horacek (Brno University of Technology)
12:45 – 14:30	<i>Lunch</i>	
Session 2:	PRESENTATIONS FROM FOUNDRIES: - Lecture Hall 1	Chairman Steven Leyland (Honeywell)
14:30 – 15:00	How to achieve world class Investment Casting	G Furgal (WSK Rzeszów)
15:00 – 15:30	Refractory Ceramic Fibre (RCF) – the search for safer alternatives	S Irwin (Rolls-Royce)
15:30 – 16:00	Business Changes through non-contact laser probes	I Dominguez (PCB)
16:00 – 16:30	<i>Break</i>	
16:30 – 16:45	Ageing control method for wax pattern etchants and solvents	I Basabe (Alfalan)
16:45 – 17:00	“Rethink your future”	G Bell (A W Bell)
17:00 – 17:15	Determination of shell weight variation	M Kopta (WSK Rzeszów)
Session 3:	PATTERNS AND SHELLS – Lecture Hall 2	Chairman Giuseppe Facchini (Precicast)
14:30 – 14:50	Does it make sense to reclaim your own wax material	S Barnett (Incast)
14:50 – 15:10	Investment casting waxes – supply guarantee and quality management in relation to changes in the global market conditions	J Abraham (Romonto)
15:10 – 15:30	Ash values, their nature and their influence in reclaim waxes on investment casting qualities	Machielse (Paramelt)
15:30 – 15:50	Advances in wax testing	P Hancock (Blayson)



CONFERENCE PROGRAMME

15:50 – 16:20	<i>Break</i>	
16:20 – 16:50	Micro X-Ray Tomography for shell integrity	Lu Zhigand (Tsinghua University)
16:50 – 17:15	Process and economic benefits realized with a new binder system	M Bijvoet (Ransom & Randolph)

Drinks will be served throughout the day in the exhibition hall for delegates to take refreshments and visit the exhibition booths at their convenience.

CONFERENCE BANQUET IN THE WIELICZKA SALT MINE

Guests depart from Sheraton Hotel 18.30hr

Tuesday May 18

10:00 – 12:00	Exhibition	
Session 4:	ADVANCED MATERIALS AND THEIR APPLICATIONS: - Lecture Hall 1	Chairman Franz Feikus
09:00 – 09:30	Standardisation and optimisation of DS/SC – Bridgman technique for Ni-base alloys	S Hollad (RWTH Aachen)
09:30 – 10:00	Investment casting technology for the manufacture of TiAl low pressure turbine blades in centrifugal casting – casting technology and quality assurance	O Kättlitz (ACCESS)
10:00 – 10:30	The latest trend in superalloys for gas turbines	T Khan (ONERA)
10:30 – 11:00	<i>Break</i>	
11:00 – 11:30	Insight on the use of Fused Alumina and Silica free solutions for the casting of Ni/Co based superalloys and Titanium alloys	D Frulli (Imerys)
11:30 – 12:00	Study of the solidification features of investment casting aluminium alloys reinforced with ceramic particulates	P Egizabal (Tecnalia - Inasmet)
Session 5:	PROCESS CONTROL:- Lecture Hall 2	Chairmen Werner Blank, Virgilio Oliveira (after break)
09:00 – 09:30	Technical Advances in Process Control	J Byrne (VA Technology) Shell Manufacturing Systems
09:30 – 10:00	Automation and process control in the wax room - case studies	B Phipps (MPI)
10:00 – 10:30	From seven days to seven hours: High speed drying for Rapid Investment Casting Autoclave NT for gentle dewaxing of ceramic shells	M Kügelgen (MK Technology)
10:30 – 11:00	<i>Break</i>	
11:00 – 11:30	Healthy Shell - How a robust shell will survive dewax	C Whitehouse (Minco)
11:30 – 12:00	Evaluating the true cost of melting stock	U Svensson (Uddeholm)
Session 6:	RESEARCH:- Lecture Hall 3	Chairman Dr Javier Coletto (Inasmet-Tecnalia)
09:00 – 09:30	The investment Casting Research Laboratory – processes, technology and materials investigations	J Michalski (Rzeszów & Warsaw Universities)
09:30 – 10:00	The quantitative evaluation of gamma prime phase in nickel-based superalloys	J Cwajna (Silesian University of Technology)
10:00 – 10:30	Ceramic moulds production process time optimization using innovative contactless microwave moisture measurement method	A Salvadè (SUPSI / Precicast)



10:30 – 11:00

Break

11:00 – 12:00

Investment casting at Foundry Research Institute in Kraków

J Sobczak (FRI)

POSTERS: Lecture Hall 3

Advanced superalloys for small engines

K Harris et.al. (Cannon Muskegon)

Study of the surface reactions in Ni-based superalloys modified with Co Al₂O₄ inoculantJ Michalska
(Silesian University of Tech)

Analysis of microstructure and orientation of freckles in single crystal castings made of PWA1426 nickel-base superalloy

M Sozańska (Silesian Uni. of Tech.)

13:00 – 16:00

Visit to Foundry Research Institute, Kraków

Wednesday May 19

08:00 – 18:00 (approx) Visit to WSK Rzeszów foundry and Rzeszów University casting research centre

The EICF reserve the right to amend the published programme if circumstances change