

EICF 27th International Conference & Exposition, Kraków, Poland, May 16-19, 2010.

Lecture Programme May 17 – 18: The presentations will be given in six sessions

Monday May 17

Plenary Session 1:

09:15 – 09:45	Market review	R.Williams / K Itoh
09:45 – 11:15	OEM Forum – markets and prospects	Invited senior representatives from aero, IGT and auto industries
11:15 – 11:45	Break	
11:45 – 12:15	Key note lecture – The mystery of molten metal	N Sobczak (Foundry Research Inst)
12:15 – 12:45	The latest research related to Investment casting at the BUT	M Horacek (Brno University of Technology)
12:45 – 14:30	Lunch	

Session 2: Presentations from Foundries: - Lecture Hall 1

14:30 – 15:00	How to achieve world class Investment Casting	G Furgal (WSK Rzeszów)
15:00 – 15:30	Safe alternatives to refractory ceramic fibres	S Irwin (Rolls-Royce)
15:30 – 16:00	Dimensional control using laser metrology	I Domingue (PCB)
16:00 – 16:30	Break	
16:30 – 16:45	Ageing control for wax etchants	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

14:30 – 14:50	Wax reclamation	S Barnett (Incast)
14:50 - 15:10	Quality management for wax patterns	J Abraham (Romonto)
15:10 – 15:30	Ash levels and effect on casting defects	M Dahlstroem (Paramelt)
15:30 – 15:50	Advances in wax testing	P Hancock (Blayson)
15:50 – 16:20	Break	
16:20 – 16:50	Micro X-Ray Tomography for shell integrity	L Zhigand (Tsinghua University)
16:50 – 17:15	Process and economic benefits of a new binder	M Bijvoet (Ransom & Randolph)

Tuesday May 18

Session 4: Advanced Materials and their Applications: - Lecture Hall 1

09:00 – 09:30	Optimisation of the Bridgeman Technique for single crystal superalloys	S Hollad (RWTH Aachen)
09:30 – 10:00	Manufacture of blades in titanium aluminide	O Kättlitz (ACCESS)
10:00 – 10:30	The latest trend in superalloys for gas turbines	T Khan (ONERA)
10:30 – 11:00	Break	
11:00 – 11:30	Fused alumina and non reactive face coats	D Frulli (Imerys / C.A.R.R.D.)
11:30 – 12:00	Reinforced aluminium composites	P Egizabal (INASMET)

Session 5: Process Control:- Lecture Hall 2

09:00 – 09:30	Technical Advances in process control	J Byrne (VA Technology)
09:30 – 10:00	Automation and process control in the wax room -case studies	B Phipps (MPI)
10:00 – 10:30	New ways for the investment casting process	M Kügelgen (MK Technology)
10:30 – 11:00	Break	
11:00 – 11:30	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

09:00 – 09:30	Investment Casting Research Laboratory	J Michalski (Rzeszów & Warsaw Universities)
09:30 – 10:00	Study of cobalt aluminate grain refining	M Cwajna (Silesian University of Tech.)
10:00 – 10:30	Microwave moisture measurement of shells	A Salvadè (SUPSI / Precicast)
10:30 – 11:00	Break	
11:00 – 12:00	Foundry research at the Foundry Research Institute	J Sobczak (FRI)

Posters: Lecture Hall 3

	Advanced superalloys for small engines	K Harris et.al. (Cannon Muskegon)
	Investigation into PWA 1426 freckle formation	M Sozańska (Silesian Uni. of Tech.)
	Evaluation of gamma prime in CMSX4	S Agnieszka (Silesian Uni. of Tech.)
	Study of carbides in Rene 142 superalloy	S Agnieszka (Silesian Uni. of Tech.)
13:00 – 16:00	Visit to Foundry Research Institute, Kracków	

Wednesday May 19

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