

TRANSVALOR INTERNATIONAL SIMULATIONS DAYS

12 - 15 October 2021

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AGENDA

Company	Tuesday 12th October	Speaker	Start (CET Paris Time)	Duration	End (CET Paris Time)
Transvalor	Welcome Speech	F.G. Di Vincenzo	09:00	00:05	09:05
Transvalor	Transvalor's journey to 2025	R. Brunck + S. Heitz	09:05	00:20	09:25
EUROFORGE	KEYNOTE: Quo Vadis Forging?	T. Hain	09:25	00:20	09:45
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	09:45	00:10	09:55
	<i>Exhibitors Elevator Pitch</i>		10:00	00:30	10:30
	Hot & Cold Forming Session		10:30	01:00	11:30
Transvalor	Hot & Cold Forming Roadmap	M. Binagot	10:35	00:20	10:55
Transvalor	Ongoing R&D activity: modeling of ductile damage transition to fracture	J. Alves + H. Eldahshan	10:55	00:20	11:15
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	11:15	00:15	11:30
	<i>Visit Exhibitors & Academic e-Posters</i>		11:30	00:30	12:00
	<i>Lunch break</i>		12:00	01:00	13:00
	Hot & Cold Forming Session		13:00	02:20	15:20
Cogne Acciai Speciali	Title TBA	TBA	13:05	00:20	13:25
Otto Fuchs KG	Simulation of press distortion during forging processes	V. Hardenacke	13:25	00:20	13:45
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	13:45	00:15	14:00
	<i>Mini-break</i>		14:00	00:05	14:05
IPH	Semi-Finished Products produced by Deposition Welding and Cross-Wedge Rolling	C. Roe	14:05	00:20	14:25
Repkon	Numerical modeling of tube spinning process	E. C. Sanyarlıoğlu	14:25	00:20	14:45
ABS/CM	Optimization of roll groove design in hot rolling of steels	B. Erzar	14:45	00:20	15:05
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	15:05	00:15	15:20
	<i>Visit Exhibitors & Academic e-Posters</i>		15:20	00:35	15:55
	Metal Casting Session		15:55	01:55	17:50
Transvalor	Metal Casting Roadmap	A. Uilly	16:00	00:20	16:20
Transvalor	Electromagnetic Stirring Simulation with THERCAST®	G. Puaux	16:20	00:20	16:40
All speakers	Interact with the Speakers	All speakers + Chairman	16:40	00:15	16:55
Stellantis	Die casting applications in the automotive industry	JP. Michalet + F. Lanicot	16:55	00:20	17:15
Transvalor	Impact of radiative heat transfer on cooling of steel ingots during transport - A numerical analysis	F. Costes	17:15	00:20	17:35
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	17:35	00:15	17:50
	<i>Closure</i>	F.G. Di Vincenzo	17:50	00:05	17:55

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Company	Wednesday 13th October	Speaker	Start (CET) Paris Time	Duration	End (CET) Paris Time
Transvalor	Welcome Speech	F.G. Di Vincenzo	09:00	00:05	09:05
Safran Tech	KEYNOTE : TBA	C. Rey	09:05	00:20	09:25
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	09:25	00:10	09:35
Fatigue & Crack Analysis Session			09:35	01:25	11:00
Transvalor	Fatigue & Crack Analysis Roadmap	N. Osipov	09:40	00:20	10:00
Safran Aircraft Engines	Prediction of three-dimensional crack propagation in metallic turbomachine structure and correlation with experience	D. Soria	10:00	00:20	10:20
Airbus Helicopters	Simulation of 3D crack propagation in Helicopter drive system with Z-cracks	P. Depouhon + B. Descharrières	10:20	00:20	10:40
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	10:40	00:20	11:00
Transvalor	Best academic poster Award	F. G. Di Vincenzo	11:05	00:05	11:10
Welding Session			11:10	01:00	12:10
Transvalor	TRANSWELD® NxT 2.0 - Product overview	A. Ullly	11:15	00:20	11:35
Stellantis / UBS	Resistance spot welding of hybrid steel-aluminum assembly	J. Queval	11:35	00:20	11:55
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo +	11:55	00:15	12:10
Visit Exhibitors & Academic e-Posters			12:10	00:30	12:40
Lunch break			12:40	00:55	13:35
Heat Treatment Session			13:35	02:15	15:50
SIMAP	KEYNOTE : Precipitation kinetics in Aluminium alloys: quantitative characterization and modeling	A. Deschamp	13:40	00:20	14:00
Transvalor / NTN-SNR	Heat Treatment Roadmap	N. El Kousseifi + S. Thibault	14:00	00:20	14:20
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	14:20	00:15	14:35
Transvalor	Numerical simulation of full carburizing process of automotive gear components	N. Poulain	14:35	00:20	14:55
NTN-SNR	Phenomenological aspects and simulation of parts distortions induced by gas nitriding	S. Thibault	14:55	00:20	15:15
Mondragon University	Simulation of the heat treatment of 6xxx aluminum alloys - Application to a real T5 forging process	L. Galdos	15:15	00:20	15:35
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	15:35	00:15	15:50
Visit Exhibitors & Academic e-Posters			15:55	00:30	16:25
Microstructure Session			16:25	01:25	17:50
Transvalor	Microstructure Roadmap	P. De Micheli	16:30	00:20	16:50
Transvalor	Improvement of material identification procedure	I. M. Alaoui	16:50	00:20	17:10
Safran Tech	From industrial forging processes to microstructure predictions by FORGE® and DIGIMU®	C.T. Nguyen	17:10	00:20	17:30
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	17:30	00:20	17:50
Transvalor	Closure	F.G. Di Vincenzo	17:50	00:05	17:55

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Company	Thursday 14th October	Speaker	Start (CET) Paris Time	Duration	End (CET) Paris Time
	Opening Session Asia				
Transvalor	Welcome Speech	F.G. Di Vincenzo	07:00	00:05	07:05
Transvalor	Transvalor's journey to 2025	R. Brunck + S. Heitz	07:05	00:20	07:25
ARAI	KEYNOTE: Role of manufacturing simulation in Product Development Cycle	R. Mahajan	07:25	00:20	07:45
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	07:45	00:15	08:00
	Hot & Cold Forming Session		08:00	01:25	09:25
Transvalor	Hot & Cold Forming Roadmap	M. Binagot	08:05	00:20	08:25
Defremm	Cold forming for eco-friendly mobility	P. Cattani	08:25	00:20	08:45
National Manufacturing Institute Scotland	TBA	O. Bylya	08:45	00:20	09:05
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	09:05	00:20	09:25
	Visit Exhibitors & Academic e-Posters		09:25	00:30	09:55
	Heat Treatment Session		09:55	01:25	11:20
Transvalor	Heat Treatment Roadmap	N. El Kousseifi	10:00	00:20	10:20
NTN-SNR	Phenomenological aspects and simulation of parts distortions induced by gas nitriding	S. Thibault	10:20	00:20	10:40
Mondragon University	Simulation of the heat treatment of 6xxx aluminum alloys. Application to a real T5 forging process	L. Galdos	10:40	00:20	11:00
All speakers	Interact with the Speakers	All speakers + M. Binagot + F.G. Di Vincenzo	11:00	00:20	11:20
	Closure Asia	F.G. Di Vincenzo	11:20	00:05	11:25

	Opening Session US				
Transvalor	Welcome Speech	B. Castejon	16:00	00:20	16:20
Watts Water Technologies	KEYNOTE: Simulation in supply chain quality control environment	C. Rosenberg	16:20	00:20	16:40
All speakers	Interact with the Speakers	All speakers + N. Poulain	16:40	00:15	16:55
	Hot & Cold Forming Session		16:55	01:25	18:20
Transvalor	Hot & Cold Forming Roadmap	M. Binagot	17:00	00:20	17:20
ABS Centre Métallurgique	Optimization of roll groove design in hot rolling of steels	B. Erzar	17:20	00:20	17:40
CeAl AluQuébec	Aluminium Forging: optimization of material distribution	Lyes Hacini	17:40	00:20	18:00
All speakers	Interact with the Speakers	All speakers + N. Poulain	18:00	00:20	18:20
	Visit Exhibitors & Academic e-Posters		18:20	00:30	18:50
	Heat Treatment Session		18:50	01:25	20:15
Transvalor	Heat Treatment Roadmap	N. El Kousseifi	18:55	00:20	19:15
Quaker Houghton	Characterization of quenchant to reduce distortion using numerical simulation	S. McKenzie	19:15	00:20	19:35
Mondragon University	Simulation of the heat treatment of 6xxx aluminum alloys. Application to a real T5 forging process	L. Galdos	19:35	00:20	19:55
All speakers	Interact with the Speakers	All speakers + N. Poulain	19:55	00:20	20:15
	Closure US	N. Poulain	20:15	00:05	20:20

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Company	Friday 15th October	Speaker	Start (CET) Paris Time	Duration	End (CET) Paris Time
	Opening Session Asia				
Transvalor	Welcome Speech	F.G. Di Vincenzo	07:05	00:05	07:10
	Metal Casting Session		07:10	01:20	08:30
Transvalor	Metal Casting Roadmap	A. Ully	07:10	00:20	07:30
Stellantis	Die casting applications in the automotive industry	F. Lanicot + JP. Michalet	07:30	00:20	07:50
Transvalor	Impact of radiative heat transfer on cooling of steel ingots during transport - a numerical analysis	F. Costes	07:50	00:20	08:10
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	08:10	00:20	08:30
	Welding Session		08:30	01:00	09:30
Transvalor	TRANSWELD® NxT 2.0 - Product overview	A. Ully	08:35	00:20	08:55
Stellantis / UBS	Resistance spot welding of hybrid steel-aluminum assembly	J. Queval	08:55	00:20	09:15
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	09:15	00:15	09:30
	Visit Exhibitors & Academic e-Posters		09:30	00:30	10:00
	Fatigue & Crack Analysis Session		10:00	01:00	11:00
Transvalor	Fatigue & Crack Analysis Roadmap	N. Osipov	10:05	00:20	10:25
SCSK	Introduction of the collaboration between Z-set and ADVENTURECluster - Concept of SCSK fatigue life prediction solution-	M. Sato	10:25	00:20	10:45
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	10:45	00:15	11:00
	Microstructure Session		11:00	01:00	12:00
Transvalor	Microstructure Roadmap	P. De Micheli	11:05	00:20	11:25
Safran Tech	From industrial forging processes to microstructure predictions by FORGE® and DIGIMU®	C.T. Nguyen	11:25	00:20	11:45
All speakers	Interact with the Speakers	All speakers + F.G. Di Vincenzo	11:45	00:15	12:00
	Closure Asia	F.G. Di Vincenzo	12:00	00:05	12:05

	Opening Session US				
Transvalor	Welcome Speech	N.Poulain	16:00	00:05	16:05
	Welding Session		16:05	01:00	17:05
Stellantis	Hybrid steel-aluminum junction point resistance welding	J. Queval	16:10	00:20	16:30
Transvalor	TRANSWELD® NxT 2.0 - Product overview	A. Ully	16:30	00:20	16:50
All speakers	Interact with the Speakers	All speakers + N. Poulain	16:50	00:15	17:05
	Visit Exhibitors & Academic e-Posters		17:05	00:20	17:25
	Fatigue & Crack Analysis Session		17:25	01:05	18:30
Transvalor	Fatigue & Crack Analysis Roadmap	N. Osipov	17:30	00:20	17:50
Safran Aircraft Engines	Prediction of three-dimensional crack propagation in metallic turbomachine structure and correlation with experience	D. Soria	17:50	00:20	18:10
All speakers	Interact with the Speakers	All speakers + N.Poulain	18:10	00:20	18:30
	Visit Exhibitors & Academic e-Posters		18:30	00:20	18:50
	Metal Casting Session		18:50	01:00	19:50
Transvalor	Metal Casting Roadmap	O. Jaouen	18:55	00:20	19:15
Stellantis	Die casting applications in the automotive industry	F. Lanicot + JP. Michalet	19:15	00:20	19:35
All speakers	Interact with the Speakers	All speakers + N.Poulain	19:35	00:15	19:50
	Closure US	N. Poulain	19:50	00:05	19:55