



TUESDAY, SEPTEMBER 29th

PROGRAM | DAY 1

TRANSVOLOR INTERNATIONAL SIMULATION DAYS

8:30AM	<i>Welcome Coffee, Posters and Exhibition time</i> EXHIBITOR HALL	
9:00AM	Introduction of the event - Nicolas MORISE, Transvalor AMPHITHEATER	
9:10AM	Business & Strategy Overview - Marc BUSSON, Transvalor AMPHITHEATER	
9:30AM	Delivering innovation efficiently : a peek into Transvalor's future - Andres RODRIGUEZ-VILLA, Transvalor AMPHITHEATER	
9:50AM	Transvalor Products Roadmap - Max BINAGOT, François FRASCATI, Nikolay OSIPOV AMPHITHEATER	
10:30AM	<i>Coffee Break, Posters and Exhibition time</i> EXHIBITOR HALL	
10:55AM	Towards a new generation of models for Zr-alloys hot forming processes, getting the best out of FORGE®, python API, TSV PyLab, large industrial databases and artificial intelligence Alexis GAILLAC, Framatome AMPHITHEATER	Technical presentation - TBC, Interpipe ELLA FIDZGERALD ROOM
11:20AM	Technical presentation - Jose ALVES, Transvalor AMPHITHEATER	Case Studies of Continuous Casting Analysis using THERCAST® at Nippon Steel - Norimasa YAMASAKI ELLA FIDZGERALD ROOM
11:45AM	Technical presentation - TBC, CEMEF AMPHITHEATER	Technical presentation - TBC, EZRAR, Arcelor Mittal ELLA FIDZGERALD ROOM
12:10PM	Digitalization of forging lines and estimation of final properties based on hybrid metamodells - TBC, Mondragon AMPHITHEATER	Technical presentation - TBC, Hatem Gacem, EDF ELLA FIDZGERALD ROOM
12:35PM	<i>Lunch break</i> DINING ROOM	
1:55PM	Round table AMPHITHEATER	
2:35PM	Pitch session / Supplier talk AMPHITHEATER	Pitch session / Supplier talk ELLA FIDZGERALD ROOM
2:55PM	Influence of mold geometry and dimensions on the development of compositional heterogeneities in high-strength steels - Mohammad JAHAZI, ETS AMPHITHEATER	Investigation of an optimal prediction method for chip formation and cutting temperature in machining - Shusuke NAITO, TOYOTA Motor Corporation ELLA FIDZGERALD ROOM
3:20PM	Numerical study of the filling and solidification of molds in VIM (Vacuum Induction Melting) and PAMCHR (Plasma Arc Melting with Cold Hearth Refining) processes - Widad AYADH - IRT M2P ELLA FIDZGERALD ROOM	Residual Stress Depth Profile from Outside Turning of Titanium - Gary STYGER, University of Johannesburg ELLA FIDZGERALD ROOM
3:45PM	<i>Coffee Break, Posters and Exhibition time</i> EXHIBITOR HALL	
4:10PM	A Digital Eco-system for Open-Die Forging of High-integrity Components - Salaheddin RAHIMI - University of Strathclyde AMPHITHEATER	Challenges in simulating burr-free cold forming processes - Timo KELLER, KLS Martin SE & Co. KG ELLA FIDZGERALD ROOM
4:35PM	Enhanced automation and customization of calculation coupling Forge NxT API with pSeven Enterprise - Nina MOELLO, pSeven & Laurence GASTON, Transvalor AMPHITHEATER	Technical presentation - TBC, Tubacex ELLA FIDZGERALD ROOM
5:00PM	Optional Social Activities (available by reservation)	

Please note that the program is preliminary and may be revised.

WISH TO EXTEND DISCUSSIONS?

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WEDNESDAY, SEPTEMBER 30th

PROGRAM | DAY 2

TRANSVALOR INTERNATIONAL SIMULATION DAYS

8:30AM	<i>Welcome Coffee, Posters and Exhibition time</i> EXHIBITOR HALL	
9:00AM	Introduction - Laëtitia PEGIE, Transvalor AMPHITHEATER	
9:05AM	Keynote - Vikas SARAF, ATI Forged Product AMPHITHEATER	
9:35AM	Keynote - Elie HACHEM, CEMEF AMPHITHEATER	
10:05AM	Technical presentation - Agn�e ABOUBAKRI, SAFRAN AMPHITHEATER	
10:30AM	<i>Coffee Break, Posters and Exhibition time</i> EXHIBITOR HALL	
11:00AM	5.0 presentation - Max BINAGOT, Transvalor AMPHITHEATER	Flexural strength of reinforced V shaped oxide/oxide composite specimens - Fran�ois GUILLET, Commissariat � l'Energie Atomique ELLA FIDZGERALD ROOM
11:25AM	New version THERCAST� 3.2 - Fran�ois FRASCATI, Transvalor AMPHITHEATER	Expert System : the future of material fitting - St�phane QUILLICI, Transvalor ELLA FIDZGERALD ROOM
11:50AM	DATA void / porosities - Daniel PINO MUNOZ & Laurent LANGLOIS - CEMEF AMPHITHEATER	Resolving Cyclic Plasticity in Thermo-Mechanical FEM of Marine Engines with Microstructure - Aware Z-mat Material Models - Rafael Arturo RUBIO RUIZ, Wartsila ELLA FIDZGERALD ROOM
12:15PM	HT Aluminium - Angela HAYKAL, Transvalor AMPHITHEATER	Modeling architected materials with Z-set - Justin DIRRENBGER, Conservatoire National des Arts et M�tiers ELLA FIDZGERALD ROOM
12:40PM	<i>Lunch break</i> DINING ROOM	
2:00PM	Round table AMPHITHEATER	
2:45PM	Pitch session / Supplier talk AMPHITHEATER	
3:05PM	Technical presentation - Ring Rolling - TBC, SMS-Group AMPHITHEATER	Pitch session / Supplier talk ELLA FIDZGERALD ROOM
3:30PM	Underskin Overview: Subsurface Fold Detection - Satya KULKARNI, Transvalor AMPHITHEATER	Technical presentation - Furnace Heating ELLA FIDZGERALD ROOM
4:10PM	<i>Coffee Break, Posters and Exhibition time</i> EXHIBITOR HALL	
4:40PM	Numerical modeling of multifrequency induction hardening process - Baraa QADDAH, IRT M2P AMPHITHEATER	Technical presentation - TBC, MetalTech ELLA FIDZGERALD ROOM
5:05PM	In-Situ Temperature Distribution Monitoring of Hot Mill Rolls Using Fiber-Optic Sensors - Helin SASAN, Peaslee Steel Manufacturing Research Center / Missouri S&T AMPHITHEATER	Technical presentation ELLA FIDZGERALD ROOM
5:30PM	Pitch session / Supplier talk AMPHITHEATER	Pitch session / Supplier talk ELLA FIDZGERALD ROOM
7:00PM	<i>Cala Dinner</i> LA SIESTA, ANTIBES	

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THURSDAY, OCTOBER 1st

PROGRAM | DAY 3

 **TRANVALOR** INTERNATIONAL SIMULATION DAYS

8:30AM	<i>Welcome Coffee, Posters and Exhibition time</i> EXHIBITOR HALL	
9:00AM	Introduction - TBC, Transvalor AMPHITHEATER	
9:05AM	Simulation of static and dynamic strain ageing effects in industrial alloys and structures - Samuel FOREST, Centre des Matériaux Mines Paris PSL CNRS AMPHITHEATER	
9:35AM	Leveraging Machine Learning in Computational Materials Science to Accelerate High-Fidelity Simulations involving Microstructure Prediction - Marc BERNACKI, Mines Paris PSL AMPHITHEATER	
10:05AM	Structure informed ultrasound imaging of welds - Andreas SCHUMM, EDF AMPHITHEATER	Technical presentation ELLA FIDZGERALD ROOM
10:30AM	<i>Coffee Break, Posters and Exhibition time</i> EXHIBITOR HALL	
10:55AM	DIGIMU® Roadmap - Pascal DE MICHELI, Transvalor AMPHITHEATER	Technical presentation - Welding ELLA FIDZGERALD ROOM
11:20AM	DIGIMU® Study in the Industrial Context of INC718 Subsolvus Processes at OTTO FUCHS KG - Michele MATSUO, Otto Fuchs KG AMPHITHEATER	Linear friction welding simulation - Mathieu TOUBOUL, SAFRAN AIRCRAFT ENGINES ELLA FIDZGERALD ROOM
11:45AM	Understanding material behavior in hot metal forming through microstructure modeling using DIGIMU® - Nadine ELEKYABI, Institute of Metal Forming (IBF) RWTH Aachen University AMPHITHEATER	Finite Element Simulation of multi-material joining processes with FORGE® 4.1 - Romeu GOMEZ, IRT M2P ELLA FIDZGERALD ROOM
12:10PM	Technical presentation AMPHITHEATER	Technical presentation - Jacques BESSON, Centre des Matériaux CNRS UMR 7633 - Soudage ELLA FIDZGERALD ROOM
12:35PM	<i>Lunch break</i> DINING ROOM	
1:55PM	Round table AMPHITHEATER	
2:40PM	Comparison of Experimental and Simulated Crack Paths on Helicopter Engine Gears - Marine HARCOURT, Safran Helicopter Engines ELLA FIDZGERALD ROOM	Robust and Feature-aware Arbitrary Lagrangian-Eulerian Method for Material Forming Applications - Jesus GARCIA, Transvalor AMPHITHEATER
3:05PM	3D Crack Propagation simulation of Single Tooth Bending Tests using Z-cracks: Application to Nitrided Gears - Regis KENKO, Safran Transmission Systems ELLA FIDZGERALD ROOM	Technical presentation - Krushna SHINDE, Transvalor AMPHITHEATER
3:30PM	Application of Zcracks to Airbus aerostructures - Optimization of fatigue test monitoring & prediction of a propagation path in a complex assembly - Jérôme ROUSSET & Teddy GOUT, Airbus Operations SAS ELLA FIDZGERALD ROOM	Technical presentation AMPHITHEATER
3:55PM	<i>Coffee Break, Posters and Exhibition time</i> EXHIBITOR HALL	
4:15PM	Best presentation Award & Closing remarks - Nicolas MORISE, Transvalor AMPHITHEATER	

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