Regional User Meeting

July 23rd, 2024

Agenda

Duration	Time (IST)						
45 min	09:00	09:45	Registration Open & Refreshments				
			Plenary				
15 min	09:45	10:00	Assembly in the Main Ballroom				
10 min	10:00	10:10	Welcome Address – Ankur SHARMA, SIMULIA INDIA Sales Director, Dassault Systèmes				
20 min	10:10	10:30	SIMULIA Brand Updates – Klaus KROHNE, SIMULIA AP Senior Sales Director, Dassault Systèmes				
2o min	10:50	11:10	Simulations and Digitalization: Shaping the Future by Reducing Prototyping and Accelerating Product Development – Sanjay PATIL, Deputy General Manager, Digital Solutions, Tata Motors				
20 min	11:10	11:30	MODSIM – Transforming Science and Engineering – Dhiraj NAHAR, SIMULIA Industry Process Director & Dayanidhi PANDA, SIMULIA Industry Process Consultant Senior Manager, Dassault Systèmes				
30 min	**11:30**	**12:00**	**Break | 30 minutes**				
30 min	12:00	12:30	AI-Empowered MODSIM Design Exploration – Victor OANCEA, SIMULIA R&D Technology Senior Director, Dassault Systèmes				
25 min	12:30	12:55	Journey of Product Innovation from Concept to Market with MODSIM – Alok DAS, Co-Founder, Qargos				
5 min	12:55	13:00	Closing Remarks – Geetha AVULA, SIMULIA India Industry Process Consultant Senior Manager, Dassault Systèmes				
	13:00	**14:30**	**Lunch Break | 90 minutes**				
			Track 1	**Track 2**	**Track 3**	**Track 4**	**Track 5**
		Tracks	**Aerospace and Defense – Simulation Innovations**	**Transportation and Mobility – Structural Integrity Simulations (Part I)**	**Transportation and Mobility – Structural Integrity Simulations (Part II)**	**Electric Vehicles – The Road Ahead**	**Multidisciplinary Simulations – Accelerated Innovations**
20 min	14:30	14:50	Modelling of Deployment Dynamics of large flexible antenna – Abhinav PURI, ISRO	FE Methodology to Simulate Cam Roller's Ride Over & Fall back Phenomenon in S-CAM Brakes – Dineshkumar Jagan MOHAN, Brakes India	MBS-FEM Co-Simulation Approach to Assess Strength & Durability of Automotive Chassis Components – Dhiren BEHERA,Tata consultancy services	Computational Simulation for Quantifying Thermal Interface Materials in Battery Assembly Application – Ajay KUMAR, Tata consultancy services	Design and Optimization Methodology of Broadband Circularly Polarized Crossed Dipole Antenna by Using CST MWS for Navigation Systems – Shailendra SINGH, BEL
20 min	14:50	15:10	Towards Implementation of SPDM solution SMARaN in ADA using 3DEXPERIENCE Platform – BABURAJ, ADA	Weld Life Prediction in 2 Wheeler Structural Components – Nikhil GUPTA, Hero MotoCorp	Quick Design Validation of FCM (Front Cooling Module) Under Vibration Condition Using Abaqus – Dineshkumar MURUGAN, Valeo	Use of Simulation to Develop and Validate Plastic End Plates for EV Battery Packs – Mukunda Madhava NATH, SABIC	Efficient Optimization of Advancing Automotive Communication with High-Speed Gigabit Multimedia Serial Link-2 Interface Simulation – Naga Srinivasa Rao MERUGU, Hyundai MOBIS
20 min	15:10	15:30	An Empirical Analysis of Radome Panels' Impact on Radome Performance – Deepanvitha GANESH, Om Ranjan, Dr. Balamati CHOUDHURY, NAL	Radiator Thermal shock- Life Corelation using Abaqus – Ravinchandran, Valeo	Numerical Simulation of Blow Moulding Process of the Plastic Fuel Tank using Abaqus/Explicit – Kapil AGRAWAL, Hero MotoCorp	Pseudo velocity shock load analysis of BEV battery mounting bracket final – Keerthinath KULKARNI, Tata Motors	Cutting-Edge mm-Wave Simulation Approaches for Radar Vehicle Integration – Guntaas KAUR, Continental Automotive
	15:30	**16:00**	**Break | 30 minutes**				
20 min	16:00	16:20	Determination of Failure Load of Insert on Sandwich Structure through FE Analysis and Experimental Validation – Pawan THAKOR, VSSC	Structural Integrity of Assembly in the Possible Event of Blast in EVs and HEVs – Sachin KULKARNI, Bosch	Johnson-Cook model calibration for brittle materials under impact loads – Rajat PRATAP, Tata motors	Homogenized Orthotropic Material Modelling of The Electrical Steel Laminate using Micromechanical RVE Approach – Lalit BHOLA, Jaguar Land Rover	Modelling and Simulation of complex and large models in CST – Sathish JHARIYA, BEL
20 min	16:20	16:40	Addressing Thermal Distortion in Additive Manufacturing of Topology Optimized Structures Through Reverse Shape Morphing – Gyanendra PANDEY, ADE	Harmonic Vibration Analysis for an Automotive Wireless Charger – Nirmalkumar KESAVAN, Aptiv	Simulation Methodology for Evaluating Tyre Pinch-Cut Failure – Sudhakar KARUNAMURTHY, Apollo Tyres	Coupled Thermal-Electrical Analysis of Vehicle Charging Inlet and Charge plug used in Battery Electric Vehicle – Jayaprakash KUMAR, Aptiv	Computational Aero-Acoustic Analysis Of Radiator Cooling Fan And Its Design Improvement For Noise Reduction – Deepanshu SAXENA, Mahindra and Mahindra
20 min	16:40	17:00	Non-Linear Analysis of a Hold-Down and Release Mechanism for a Spacecraft Appendage – Anshumaan SHARMA, ISRO	Robust Bolted Joint Design for Vehicle Application Using – Aravamuthan S, Sumant NAYAK, Karthikeyan K, Mahindra and Mahindra	Low Cycle Thermo-Mechanical Fatigue Life of Solder Joints using Cohesive Zone Model – Praveen Kumar SINGH, TCS-GM	Battery Electrode Calendering Simulation with Abaqus Explicit – Arshdeep NAGPAL, TCS-GM	Weld-line Strength Prediction for glass fiber reinforced polyamide-6 material through integrative simulation and its experimental validation – Ganesh JADHAV, BASF
20 min	17:00	17:20	Use of Abaqus/Explicit simulations for method development of damage of Aircraft composite and sandwich structures for Bird Strike and Tyre Debris Impact – Abhijit Chaudhuri, Airbus	An Approach Towards Predicting Structure Borne Impact Noise With Abaqus – Saran CHANDRAN, Inteva	Evaluation of Localized Plasticity by Using Plasticity Correction Method in Abaqus – Sivaraj KANNABIRAN, Bosch	Virtual Evaluation of PM Rotor Failure Modes and Magnet Adhesive Debonding with Cohesive Interface Approach – Nilankan KARMAKAR, Jaguar Land Rover	
			Close at 5:30 PM				