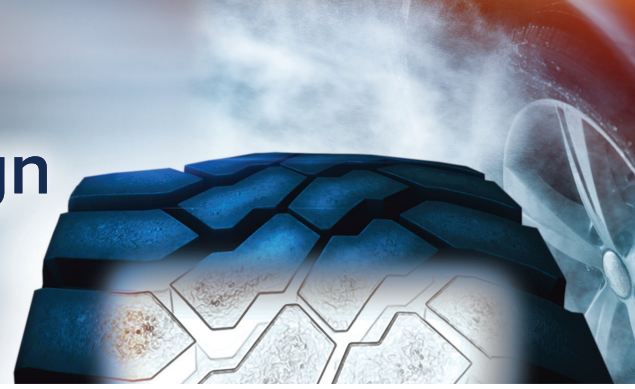


2019 Tire Symposium: Tire Simulation Driven Design AGENDA

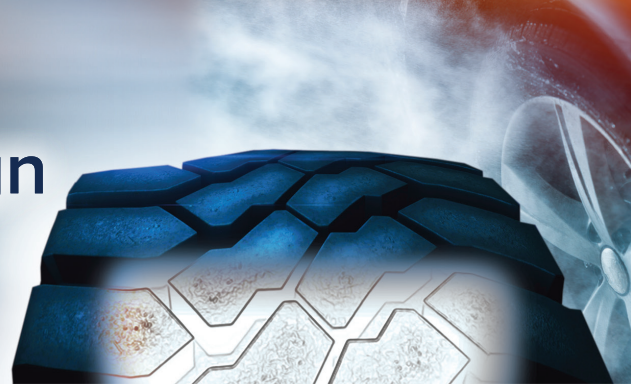


September 9, 2019



Time	Title	Presenter
8:00 AM - 8:40 AM	Check-In & Registration	
8:40 AM - 9:00 AM	Introductions & Symposium Overview	Fred Arnold, Dassault Systèmes / Wayne Tanner, Adaptive Corporation
9:00 AM - 9:45 AM	Dassault Systèmes Industry Solution Experience: Tire Engineering General overview of the ISE which segues into tire applications as well as Green to Cured/Cured to Green.	Philippe Delannoy, Dassault Systèmes
9:45 AM - 11:15 AM	Pneumatic Tires: Design and Simulation Integration Workflows The big ticket for tire manufacturers. Review of both the tire design/building/analysis process and the management of simulation processes and data.	Jeff Erno / Biswanath Nandi, Dassault Systèmes
11:15 AM - 11:30 AM	Break	
11:30 AM - 12:00 PM	Material Calibration for Tires This is a new capability that provides calibration capability for hyperelastic materials, most notably the PRF model.	Tod Dalrymple, Dassault Systèmes
12:00 PM - 1:00 PM	Lunch	
1:00 PM - 1:40 PM	Vibroacoustics Solutions for Tire Noise Prediction Growing interest in noise prediction in industry, driven primarily by EV vehicles.	Phil Shorter, Dassault Systèmes
1:40 PM - 2:00 PM	Tire Hydroplaning Multi-Physics Review the Why/What/How as well as the applicability raised by the industry.	Kevin Carvalho, Dassault Systèmes

2019 Tire Symposium: Tire Simulation Driven Design AGENDA



September 9, 2019



Time	Title	Presenter
2:00 PM - 2:30 PM	Tire Aerodynamics Being driven by auto OEs as a means to reduce/eliminate testing to characterize vehicle dynamic numerical models.	Jonathan Jilesen, Dassault Systèmes
2:30 PM - 2:45 PM	Break	
2:45 PM - 3:15 PM	Tire Heat Generation & Heat Transfer Workflow Review of a new workflow that several tire companies have inquired about recently.	Govind Paudel, Dassault Systèmes
3:15 PM - 3:45 PM	Plunger Energy Test A required test for all tires, but not executed virtually. Intent is to share our workflow and provide a demonstration model including live extraction of results for visualization.	Mike Koepp, Adaptive Corporation
3:45 PM - 4:15 PM	Manufacturing Simulation: Extracting Tires from Molds Review of a simulation workflow that takes one through the process of tire extraction from a mold without tearing.	Mike Koepp, Adaptive Corporation
4:15 PM - 4:30 PM	Conclusion / Wrap-Up	Fred Arnold, Dassault Systèmes / Wayne Tanner, Adaptive Corporation