powersys

Simulation Solutions for Electrification

JMAG & PSIM Conference 2020

Virtual Edition | Oct. 5th to 16th

The program

powersys solutions
Software and Services

Simulation Solutions for Electrification

JMAG User Conference 2020 | October 5th to 9th

JMAG Simulation Technology for Electromechanical Design

Motor Design | Motor Drive | Power Conversion | Renewable Energy | Multiphysics | Product updates

New York Start time (EST)	Paris Start time (CEST)	Chennai (IST) Start time	Japan Start time (JST)	5-Oct-20	6-Oct-20	7-Oct-20	8-Oct-20	9-Oct-20
4:30 AM	10:30 AM	2:00 PM	5:30 PM	Introduction, Vincent Capron | Powersys (France)		Shape and topology optimization of PM machines for higher speed drives, Shashikiran HK | John Deere (India)	A Spline-based Freeform Shape Optimization Workflow, Mr. Schöps | Technical University of Darmstadt (Germany)	
5:00 AM	11:00 AM	2:30 PM	6:00 PM	Development planning of JMAG, Dr. Takashi Yamada | JSOL Corporation (Japan)	Demo session JMAG V20 "APV, Dashboard, Coil Modelling and Efficiency maps", Juan Marcano, Powersys (France)	Single-Phase BLDC Claw-Pole Motor Design Improvements and Analyses, Stefan Leitner | TU Graz (Germany)		Demo session JMAG V20 "Multiphysics and Topology Optimization", Ahmed Shoeb, Powersys (France)
6:00 AM	12:00 PM	3:30 PM	7:00 PM	Efficiency and loss calculation of Marine, Rail and E-mobility Traction Motors in JMAG, Shafigh Nategh & Stephan Kenzelmann | ABB (Sweden)	How to create a Geometry Template in JMAG using Python Scripting, Juan Marcano | Powersys (Germany)	Agile electrical machine development for electric and hybrid electric aircraft, Zoltan Nadudvari | Rolls Royce (Hungary)		Poster session, Didier Zefack & Yves Thiolière, Powersys (France)
9:00 AM	3:00 PM	6:30 PM	10:00 PM	Enhanced calculation of the end-winding leakage inductance for high power density pmsm, Marco Silberberger | Robert Bosch (Germany)		Modeling, Analysis and Design of a Homopolar Machine for Aerospace and Transportation Applications, Giulia Simoni | University of Pisa (Italy)		
10:00 AM	4:00 PM	7:30 PM	11:00 PM	Investigation of Unbalanced Magnetic Force in Fractional-Slot PM Machines with Odd Number of Stator Slot, Yu Wang | Sheffield University (UK)	Additively Manufactured Copper Windings – Calculation Process, Optimization, Potential, Dr. Jakob Jung | TU Freiberg / Additive|Drives GmbH (Germany)	Efficiency map generation considering Hysteresis and eddy current loss distributions, Ahmed Shoeb | Powersys (Germany)		
11:00 AM	5:00 PM	8:30 PM	12:00 AM					

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JMAG User Conference 2020 | October 12th to 16th

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4:00 AM	10:00 AM	1:30 PM	5:00 PM					
5:00 AM	11:00 AM	2:30 PM	6:00 PM		Poster session, Didier Zefack & Yves Thiolière, Powersys (France)		The best coupling tools in MBD for motor drive simulations: JMAG & PSIM, Didier Zefack & Adrien Michel | Powersys, (France)	
6:00 AM	12:00 PM	3:30 PM	7:00 PM			Design and optimization of the controller and creating efficiency maps in JMAG, Dr.-Ing. Saeid Saeidi | SOBEK Drives GmbH (Germany)	Permanent Magnet based traction motor for electric 3 wheeler vehicle for Indian Roads, Partha Sarathi Roy | Drivz (India)	Evaluation of Electric Machines in Basic Design Stage Using the Simulation Platform GT-SUITE, Michael Zagun | Gamma Technologies GmbH (Germany)
9:00 AM	3:00 PM	6:30 PM	10:00 PM		A Better Way to Design and Test Motor Drives for EV's, Petar Gartner | Typhoon HIL (USA)		Electric machine cooling analysis using a coupled Magnetic Field and Thermo-fluid software's, Didier Zefack & Maxime Bommé | Powersys & Hexagon (France)	Thermal optimization of oil-cooled e-motors by Moving Particle Simulation, Didier Zefack & Michele Merelli | Powersys & Enginsoft (France)
10:00 AM	4:00 PM	7:30 PM	11:00 PM					
11:00 AM	5:00 PM	8:30 PM	12:00 AM					

The **2020 Powersys Conference** will take place from **October 5th to 16th**.

Two of our core products: **JMAG** and **PSIM** will be highlighted during this event through user stories, poster and partner presentations.

This conference is a perfect opportunity for **all stakeholders involved in vehicle electrification** to learn more about how to:
– Use integrated model-based design solutions to shorten and fasten development cycle
– Bridge the gap between power electronics and motor design .

This event will bring together electrical & electromechanical power system experts, software users and developers and Powersys' team.

To participate

Due to the COVID-19 outbreak, this event will be virtual and hosted on the virtual platform, **Whova**.

To participate, register at:
www.powersys-solutions.com/uc2020

We look forward to seeing at the conference.

The Powersys team