

# 18TH INTERNATIONAL DSM CONFERENCE

The conference will take place at the campus of the University of São Paulo (USP) at the Polytechnic School (POLI-USP) in the Engineering Production Department's PRO Building (Av. Prof. Almeida Prado 128, Cidade Universitária, São Paulo)

## Monday, August 29th, 2016 – Agenda

Location: Room D2-15 (Auditorium)

8:15 – 8:30	Transportation from Conference Hotel
8:30 – 9:00	Registration and Coffee
9:00 – 09:15	Opening Session <i>By Prof. Piqueira (Head of the Polytechnic School, USP)</i>
09:15 – 10:15	Keynote: DSM Case BOSCH Brazil - Project to Improve the Product Development Process <i>by Rogerio Nakamura, (Head of the Engineering Department, Methods and Processes (PMO) at Robert BOSCH Ltda, Gasoline Systems Division)</i>
10:15 – 11:00	Coffee break
11:00 – 12:00	Keynote: Interesting opportunities for DSM research and applications <i>by Prof. Tyson R. Browning (Professor of Operations Management in the Neeley School of Business at Texas Christian University)</i>
12:00 – 12:30	Group Photo
12:30 – 13:45	Lunch
13:45 – 15:15	Tutorial: Introduction to DSM methods and applications <i>Led by Prof. Tyson R. Browning (Texas Christian University)</i>
15:15 – 15:45	Coffee break
15:45 – 17:15	DSM Industry cases and Tools <i>Led by Harold A. Stowe (The Boeing Company)</i>
17:15 – 17:30	Transportation to Conference Hotel
18:30 – 21:00	Welcome Cocktail <i>Location: Hotel George V - Alto de Pinheiros</i>

# 18TH INTERNATIONAL DSM CONFERENCE

Tuesday, August 30th, 2016 – Agenda

Location: Room D2-15 (Auditorium)

8:15 – 8:30	Transportation from Conference Hotel
8:30 – 9:00	Registration and Coffee
9:00 – 10:00	<b>Keynote: Sustainability in Modern Project Management</b> <i>by Prof. Marly Monteiro de Carvalho (Associate professor at the University of São Paulo)</i>
10:00 – 11:15	<b>Session 1: Managing Design and Innovation</b> <i>Chair: Prof. Steven D. Eppinger</i>  <i>Presentation of accepted papers.</i> Performance measurement in interdisciplinary innovation processes – Transparency through structural complexity management <i>Julian Wilberg, Christian Dengler, Kathrin Füller, Josef Gammel, Konstantin Kernschmidt, Katharina Kugler, Stephanie Preißner, Birgit Vogel-Heuser</i> Applying DMM and DSM to Support the Quantitative Investigation of Process-Oriented Fundamental Elements of Design Thinking <i>Maiara Rosa, Henrique Rozenfeld</i> Enhancing Collaboration between Design and Simulation Departments by Methods of Complexity Management <i>Sebastian Schweigert, Mesut Chavushoglu, Udo Lindemann</i>
11:15 – 11:45	Coffee break
11:45 – 13:00	<b>Session 2: Analyzing and Managing organizations</b> <i>Chair: Harold A. Stowe</i>  <i>Presentation of accepted papers.</i> Systematic Partitioning in Mechatronic Product Development by Modeling Structural Dependencies <i>Nepomuk Chucholowski, Johannes Kriegler, Christoph Hollauer, Niklas Kattner, Lucia Becerril, Dominik Weidmann, Udo Lindemann</i> Analyzing Organizational Capabilities as Systems: A Conceptual Framework <i>Mohammadreza Arasti, Mahdi Khaleghi</i> Supporting the Design of Competitive Organizations by a Domain-Specific Application Framework for the Viable System Model <i>Tarek Sadi, Julian Wilberg, Iris Tommelein, Udo Lindemann</i>
13:00 – 14:15	Lunch
14:15 – 15:15	<b>Keynote: DSM to help understand the challenges of integrating new technologies into systems under development</b> <i>by Prof. Steven D. Eppinger (General Motors Leaders for Global Operations Professor and Professor of Management Science and Engineering Systems at the Massachusetts Institute of Technology)</i>

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15:15 – 16:30	<b>Session 3: DSM Application and Case Studies</b> <i>Chair: Prof. Marly Monteiro de Carvalho</i> <i>Presentation of accepted papers.</i> A Case Study in the Application of Design Structure Matrix for Improvement of Policy Formulation in Complex Industrial Wastewater Treatment <i>Shqipe Buzuku, Andrzej Kraslawski, Tuomo Kässi</i> Application of DSM in Integrating Modern Technology into Operational Architecture of Aerial Firefighting <i>Seyed M. Malaek, Mohammad H. Mahrooz</i> DSMDE: A Data Exchange Format for Design Structure Models <i>Lazima Ansari, Shahadat Hossain, Ahamad Imtiaz Khan</i>
16:30 – 17:00	Coffee break
17:00 – 18:15	<b>Session 4: Project Management</b> <i>Chair: Prof. Tyson R. Browning</i> <i>Presentation of accepted papers.</i> Estimating the effects of Engineering Changes in early stage product development <i>Lucia Becerril, Michael Sauer, Udo Lindemann</i> An Empirical Investigation of Enterprise Architecture Analysis Based on Network Measures and expert knowledge: a Case from the Automotive Industry <i>Alixandre Thiago Ferreira de Santana, Matthias Kreimeyer, Pascal Clo, Hermano de Moura, Kai Fischbach</i> Predicting Technical Communication in Global Product Development Projects Related Change Propagation <i>Sonia Kherbachi, Qing Yang</i>
18:15 – 18:45	Closing Session
18:45 – 19:00	Transportation to Conference Hotel
20:00	<b>Conference Dinner</b> <i>Location: Steak House Fogo de Chão Jardins</i>

Please note that changes may occur.

For more information on the venues and up-to-date agenda download the “Eventbase” app Search for the “18<sup>th</sup> International DSM Conference”.



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