

| | |
|-----------------|--|
| PLM13 | |
| Monday 8th July | |
| 8h00-9h00 | Welcome |
| 9h00-9h45 | Opening ceremony, by Arnaud Poitou , Director of Ecole Centrale de Nantes, by Louis Rivest and Alain Bernard , conference program Chairmen Opening |
| 9h45-10h15 | Academic keynote: Debbasish Dutta , Univ. Of Illinois, USA |
| | <i>PLM: What Next?</i> |
| 10h15-10h45 | Industrial keynote: Jean Brangé , Boost-Conseil, AFNeT, France |
| | <i>BoostAeroSpace AirDesign, standard of PLM collaboration in the Aerospace Industry</i> |
| 10h45-11h15 | Coffee break |
| 11h15-11h45 | Academic keynote: Frantz Rowe , LEMNA, Nantes, France and Dov Te'eni , University Tel Aviv, Israël |
| | <i>Technological uncertainty, psychological safety and knowledge maturation: the case of New Product Development</i> |
| 11h45-12h15 | Industrial Keynote: Philippe Berthouloux and Sébastien Blanchard , STX Europe, France |
| | <i>PLM implementation for a shipbuilding industry</i> |
| 12h15-13h30 | Lunch |
| 13h30-14h30 | Parallel sessions |
| Session 1-1 | PLM for sustainability, traceability and performance |
| | <i>Product portfolio management: An analysis of a large medical device company</i> |
| | O Connor, Aidan; Cormican, Kathryn |
| | <i>A few guidelines for good usage of PLM Software</i> |
| | David, Mickaël |
| | <i>Components margins through the product lifecycle</i> |
| | Eckert, Claudia; Earl, Chris; Lebjoui, Safaa; Isaksson, Ola |
| Session 2-1 | PLM infrastructure and implementation processes |
| | <i>Knowledge Management for Complex Product Development: Framework and Implementation</i> |
| | Smirnov, Alexander; Kashevnik, Alexey; Teslya, Nikolay; Shilov, Nikolay; Oroszi, Andreas; Sinko, Mario; Humpf, Michael; Arneving, Jens |
| | <i>Uniting Lifecycle Information – from Items to Assets, from Concepts to Practice</i> |
| | Lintala, Marja; Bonnal, Pierre |
| | <i>Integrated platform from CAD to CNC : A survey</i> |
| | Danjou, Christophe; Le Duigou, Julien; Eynard, Benoît |
| Session 3 | Capture and reuse of product and process information |
| | <i>Improving digital engineering tools in complex product development by means of an adequate monitoring of research projects</i> |
| | de Fontaines, Iris; Lefeuvre, Didier; Prudhomme, Guy; Tollenaere, Michel |
| | <i>A product model to capture and reuse ecodesign knowledge</i> |
| | Kozemjakin da Silva, Miriam; Guyot, Emmanuel; Remy, Sébastien; Reyes, Tatiana |
| | <i>Capitalizing Data, Information and Knowledge on mechanical experiments through ontologies</i> |
| | Cheutet, Vincent; Leclair, Patrice; Da Silva Botelho, Tony; Inglebert, Geneviève |
| 14h30-15h30 | Parallel sessions |
| Session 1-2 | PLM for sustainability, traceability and performance |
| | <i>System modeling: a foundation for costing through-life availability provision</i> |
| | Settanni, Ettore; Thenent, Nils E.; Newnes, Linda B. |
| | <i>Product Life Cycle Data Management: A Cross-Sectoral Assessment</i> |
| | Ford, Gary; Bartley, Tom; Igba, Joel; Turner, Alison; McMahon, Chris |
| | <i>Toward a reference architecture for archival systems</i> |
| | Barbau, Raphael; Lubell, Joshua; Rachuri, Sudarsan; Fofou, Sebti |
| Session 2-2 | PLM infrastructure and implementation processes |
| | <i>Repositories and interoperability standards</i> |
| | Dehainsala, Hondjack; Perdriau, Philippe |
| | <i>Developing a PLM Framework in an energy company: a case study</i> |
| | Corallo, Angelo; Lazoi, Mariangela; Margarito, Antonio; Pinna, Davide |
| | <i>A framework for PLM model design</i> |
| | Yildiz, Onur; Pernelle, Philippe; Gzara, Lilia; Tollenaere, Michel |

| | |
|-------------|--|
| Session 4-1 | PLM and knowledge management |
| | <i>Knowledge Based Lifecycle Management Approach for Product Service Systems (PSS)</i> |
| | Abramovici, Michael; Aidi, Youssef; Dang, Hoang Bao |
| | <i>Challenges in Knowledge Management for Structuring Systems</i> |
| | Cheutet, Vincent; Zolghadri, Marc; Couffin, Florent; Leclaire, Patrice; Costa Affonso, Roberta; Bourcier, Caroline |
| | <i>Knowledge Management in E-commerce Mass Customization</i> |
| | Xu, Yang; Xu, Jing; Bernard, Alain |
| 15h30-16h | Coffee break |
| 16h-17h | Parallel sessions |
| Session 1-3 | PLM for sustainability, traceability and performance |
| | <i>Examining the Use of Model-based Work Instructions in the Aviation Maintenance Environment</i> |
| | Hartman, Nathan W.; Ropp, Timothy D. |
| | <i>Enhancing the flow of information in the PLM by using numerical DSMs – an industrial case study</i> |
| | Luft, Thomas; Bochmann, Johanna; Wartzack, Sandro |
| | <i>A sustainability lifecycle assessment of products and services for the Extended Enterprise evolution</i> |
| | Peruzzini, Margherita; Germani, Michele; Marilungo, Eugenia |
| Session 2-3 | PLM infrastructure and implementation processes |
| | <i>Proactive engineering and PLM: current status and research challenges</i> |
| | Demoly, Frédéric; Pels, Henk Jan; Gomes, Samuel |
| | <i>Established mass customization in highly customized cabins of passenger transport systems</i> |
| | Schulz, Felix; Wolter, Lars; Coruh, Turgay; Hayka, Haygazun; Stark, Rainer |
| | <i>PLM and Classification Society management in Marine manufacturing companies</i> |
| | Salonen, Niko Ville |
| Session 4-2 | PLM and knowledge management |
| | <i>A Knowledge based collaborative platform for the design and deployment of manufacturing systems</i> |
| | Pintzos, George; Rentzos, Loukas; Efthymiou, Konstantinos; Papakostas, Nikolaos; Chrissolouris, George |
| | <i>A Knowledge Management approach through Product Lifecycle Management implementation: an industrial case study</i> |
| | Mejia-Gutierrez, Ricardo; Marroquín, Carolina; Giraldo-Gomez, Juan David |
| | <i>Proposal of a Knowledge-Based Engineering Methodology for Mass Customization</i> |
| | Vadoudi, Kiyas; Terzi, Sergio |
| 17h-18h | Parallel sessions |
| Session 5 | Enterprise systems integration |
| | <i>A reference architecture for the enterprise knowledge infrastructure</i> |
| | Fitzpatrick, Daniel; Coallier, François; Ratté, Sylvie |
| | <i>A case study on the integration of GPS concepts into a PLM based industrial context</i> |
| | Ricci, Francesco; Sauza Bedolla, Joel; Martinez Gomez, Javier; Ruffa, Suela; De Maddis, Manuela; Chiabert, Paolo |
| | <i>Product Lifecycle Management within Italian Companies: Results from the GeCo Italian Observatory</i> |
| | Rossi, Monica; Riboldi, Dario; Cerri, Daniele; Terzi, Sergio; Garetti, Marco |
| Session 6 | PLM and influence of/from social networks |
| | <i>The role of enterprise social media in the development of aerospace industry best practices</i> |
| | Doumit, Nancy; Huet, Greg; Fortin, Clément |
| | <i>A LCIA model considering pollution transfer phenomena</i> |
| | Yu, Xi; Sekhari, Aicha; Nongaillard, Antoine; Bouras, Abdelaziz; Yang, Qingyan |
| | <i>Web-based portal for sharing information through CAD/PLM software during the eco-product development process</i> |
| | Mombeshora, Idai Mendy; Dekoninck, Elies |
| Session 4-3 | PLM and knowledge management |
| | <i>Unified taxonomy for reference ontology of shape features in product model</i> |
| | Gupta, Ravi Kumar; Gurumoorthy, Balan |
| | <i>Deployment of Knowledge Management in a PLM environment: a software integrator case study</i> |
| | Nila, Sébastien; Segonds, Frédéric; Maranzana, Nicolas; Crepe, Dorothée |
| | <i>Co-working for knowledge management in cultural heritage: towards a PLM for museum</i> |
| | Hervy, Benjamin; Laroche, Florent; Bernard, Alain; Kerouanton, Jean-louis |
| 19h30-21h30 | Civic Reception at Château des Ducs de Bretagne and cocktail |

| | |
|------------------|--|
| Tuesday 9th July | |
| 8h00-8h30 | Welcome |
| 8h30-9h30 | Indus papers 1 and 2 |
| | Jean-François Hamelin, EDF, Technical Director of PLM project ; Jean-Claude Leroux, AREVA, Head of PLM project , France |
| | <i>PLM approach in the nuclear engineering</i> |
| | Hajer Chouiref, EDF, France |
| | <i>The contribution of standards and norms to the exchange of technical data within the Nuclear Industry: experimenting the ISO 15926</i> |
| 9h30-10h00 | Indus paper 3 |
| | Fernando Mas, Airbus Spain ; Alejandro Gomez, UPM Spain ; Jose Luis Menendez, Airbus Spain ; Jose Rios, UPM Spain |
| | <i>Collaborative Engineering paradigm applied to the aerospace industry</i> |
| 10h00-10h30 | Indus paper 4 |
| | Denis P. Debaecker, Vinci Consulting, France |
| | <i>PLM vs. Lean Engineering : antagonisms and synergies - Finding the best practices to combine these approache:</i> |
| 10h30-11h | Coffee break |
| 11h-11h30 | Indus paper 5 |
| | Frédéric Chambolle, PSA Peugeot Citroën, France |
| | <i>The Usage of the Standards into the Long Term Archiving and Retrieval, and the Exchange of Engineering Design Data</i> |
| 11h30-12h00 | Indus paper 6 |
| | Kamal Cheballah, Audros technology; Aurélie Bissay, Greenlight IT, France |
| | <i>Methods and tools for driving change to simplify the deployment of PLM</i> |
| 12h00-12h30 | Indus paper 7 |
| | Mohamed Ali El Hani, Mathieu Rigaud, IMPARARIA Solutions, Canada |
| | <i>PLM for AEC (Architecture Engineering & Construction)</i> |
| 12h30-13h | Indus paper 8 |
| | Xavier Fouger - Director, Global Academia Programs, Dassault Systèmes, France |
| | <i>From cost of education to digital learning experiences</i> |
| 13h -14h | Lunch |
| 14h-14h30 | Indus paper 9 |
| | Sergej Bondar, PROSTEP AG, Germany; Christoph Ruppert, Heidelberger Druckmaschinen AG, Germany ; Josip Stjepandic, PROSTEP AG, Germany |
| | <i>Securing Data Quality along the Supply Chain</i> |
| 14h30-15h | Indus paper 10 |
| | Niko Ville Salonen, Rolls Royce Marine, Norway |
| | <i>Improving development of PLM systems using systems thinking and system dynamics modelling and simulation</i> |
| 15h-15h30 | Indus paper 11 |
| | Jean Paturel, Denis Goudstikker, Siemens PLM Software |
| | <i>PLM Support for Business Transformation : Collaborative Product Development at Siemens Energy Fossil</i> |
| 15h30-16h | Coffee break |
| 16h-16h30 | Indus paper 12 |
| | Frédéric Feru, Jean-Bernard Hentz, Samuel Gruszka, Airbus Operations ; Yes Keraron, Airbus Cimpa, France |
| | <i>Obsolescence Management for a sustainable PLM</i> |
| 16h30-17h | Indus paper 13 |
| | Mart Tümay; Can Cangelir, TAI-Turkish Aerospace Industries, Inc., Turkey |
| | <i>Lessons learned for better management of master geometry</i> |
| 17h-18h30 | Panel moderated by AFNeT (Fariza Jeaneau and Yves Keraron) |
| | An economic vision of PLM and its value to sustainably fulfill users' needs |
| | Introduction: Michèle Debonneuil |
| | General topic: PLM processes, methods and tools have been developed by propagating the use of digital tools from beginning of life of Product and Plant. These efforts could be better leveraged by extending the PLM use towards the middle and end of life of product with the objective to sustainably fulfil the needs of the users and thus improve the economic value of the goods and services produced. |
| 20h15-23h00 | Conference diner: River ruise on "Les Bateaux Nantais" boats |

| | |
|---------------------|--|
| Wednesday 10th July | |
| 8h00-8h30 | Welcome |
| 8h30-9h00 | Academic keynote: Shuichi Fukuda , Keio Univ., Japan <i>Product Lifecycle Management in an Open Industry Framework</i> |
| 9h00-9h30 | Industrial keynote: Jose Rios , Polytechnic Univ. Madrid, Spain <i>Proposal for the conceptual design of aeronautical final assembly lines based on the Industrial Digital Mock-Up concept</i> |
| 9h30-10h30 | Parallel sessions |
| Session 7-1 | PLM maturity and improvement concepts <i>A meta-model for knowledge representation integrating maturity for decision making in engineering design</i> Drémont, Nicolas; Troussier, Nadège; Whitfield, Robert Ian; Duffy, Alex <i>Towards higher configuration management maturity</i> Niknam, Masoud; Ovtcharova, Jivka <i>Product Lifecycle Management: Measuring what is Important – a Product Lifecycle Implementation Maturity Model (PLIMM)</i> Walton, Abram L. J.; Tomovic, Cynthia L.; Grieves, Michael W. |
| Session 8-1 | PLM and collaborative product development <i>A Service Management Tool in PLM software for the management of product-related services: a first use case</i> Zinke, Christian; Meyer, Kyrrill; Golemo, Florian; Meyer, Lars-Peter <i>Agile design methods for mechatronics system integration</i> Bricogne, Matthieu; Troussier, Nadège; Rivest, Louis; Eynard, Benoît <i>Integrating User to Minimize Assembly Path Planning Time in PLM</i> Yan, Yu; Poirson, Emilie; Bennis, Fouad |
| Session 9-1 | PLM virtual and simulation environments <i>Application of PLM for Bio-Medical Imaging in Neuroscience</i> Allanic, Marianne; Durupt, Alexandre; Joliot, Marc; Eynard, Benoît; Boutinaud, Philippe <i>Proposition of Ergonomic guidelines to improve usability of PLM systems interfaces.</i> de Pinel, Perrine; Maranzana, Nicolas; Segonds, Frédéric; Leroux, Sylvain; Frerebeau, Vincent <i>Development of Automatic Assembly Sequence Generating System based on the New Type of Parts Liaison Graph</i> Park, Hong-Seok; Park, Jin-Woo; Park, Myon-Woong; Kim, Jae-Kwan |
| Session 10-1 | Special session: BIM <i>Characteristics of Green BIM: process and information management requirements</i> Gandhi, Shalini; Jupp, Julie R. <i>Developing a Building Information Modelling Educational Framework for the Tertiary Sector in New Zealand</i> Miller, Garry; Sharma, Shubham; Donald, Claire; Amor, Robert <i>Building information modeling (BIM) and the construction management body of knowledge</i> Yalcinkaya, Mehmet; Arditi, David |
| 10h30-11h | Coffee break |
| 11h00-12h20 | Parallel sessions |
| Session 7-2 | PLM maturity and improvement concepts <i>A reverse engineering method for DMU maturity management: use of a functional Reeb graph</i> Herlem, Guillaume; Ducellier, Guillaume; Adragna, Pierre-Antoine; Durupt, Alexandre; Remy, Sébastien <i>Case study on the relation of PLM maturity, architecture and business processes</i> Pulkkinen, Antti; Vainio, Ville; Rissanen, Noora <i>PLM Components Selection Based on a Maturity Assessment and AHP Methodology</i> Zhang, Haiqing; Ouzrout, Yacine; Bouras, Abdelaziz; Mazza, Antonio; Savino, Matteo Mario |
| Session 8-2 | PLM and collaborative product development <i>New Product Development Process in Fashion Industry: Empirical Investigation within Italian Companies</i> Soldani, Elisa; Rossi, Monica; Bandinelli, Romeo; Terzi, Sergio <i>Cycle oriented Quality Management at the Interface of Product Development and Production Planning</i> Koch, Jonas; Greitemann, Josef; Plehn, Christian; Reinhart G. <i>Digital factory assistant: conceptual framework and research propositions</i> Dhuieb, Mohamed Anis; Laroche, Florent; Bernard, Alain |

| | |
|--------------|---|
| | <i>A tool to support PLM teaching in universities</i> |
| | Sauza Bedolla, Joel; Ricci, Francesco; Martinez Gomez, Javier; Chiabert, Paolo |
| Session 9-2 | PLM virtual and simulation environments |
| | <i>Comparison of configuration rule visualizations methods</i> |
| | Tidstam, Anna; Malmqvist, Johan |
| | <i>A Product Avatar for Leisure Boats Owners: Concept, Development and Findings</i> |
| | Hribernik, Karl; Wuest, Thorsten; Thoben, Klaus-Dieter |
| | <i>Experimenting new metaphors for PDM through a Model Driven Engineering scheme</i> |
| | Noël, Frederic; Azli, Mohd Azwan |
| | <i>Advanced Engineering Visualization with standardized 3D Formats</i> |
| | Emmer, Christian; Fröhlich, Arnulf; Stjepandic, Josip |
| Session 10-2 | Special session: BIM |
| | <i>Incomplete BIM implementation: Exploring challenges and role of product lifecycle management functions</i> |
| | Jupp, Julie Rose |
| | <i>Challenges for integrated design and delivery teams in AEC</i> |
| | Singh, Vishal |
| | <i>Systems engineering as a first step to BIM</i> |
| | Pels, Henk Jan; van Beek, Jeroen; den Otter, Ad |
| | <i>Multidisciplinary AEC Education Utilising BIM / PLIM Tools and Processes</i> |
| | Macdonald, Jennifer A.; Granroth, Marko |
| | |
| 12h30-13h | Closing ceremony - Best Paper Award - Best Doctoral Study |
| | |
| 13h15-14h30 | Lunch |
| | |
| 14h30-18h | Visits (Industrial sites: Airbus, STX, Euriware (list to be completed), Cultural sites (to be defined)) |