

PLM15 Conference Program

<http://www.plm-conference.org/organisers.php>

Sunday 18 Oct. 2015

8:30-10:45am	PhD Workshop <i>Chairs: N. Fetais, Y. Ouzrout</i> Ibn Khaldoun Auditorium		
10:45-11	Coffee Break		
11-1pm	Tutorial Data Cleaning and Machine Learning 101 S. Chawla, M. Ouzzani - Principal Scientists, QCRI, Qatar Ibn Khaldoun Auditorium		
1-2pm	Lunch		
2-4:30pm	PhD Workshop <i>Chairs: N. Fetais, Y. Ouzrout</i> Ibn Khaldoun Auditorium	IFIP WG5.1 Meeting Katara Room	Early Registration Lobby
7-9pm	Reception at Mamig Restaurant - KATARA <i>for PhD Workshop and WG5.1 participants</i>		

Monday 19 Oct. 2015

8-8:30am	Registration		
8:30-8:40	Welcome <i>K-D. Thoben, B. Eynard, PLM15 Chairs</i>		
8:40-10	"Smart Products" Special Session <i>Chair: A. Sekhari</i> Ibn Khaldoun Auditorium	Assessment Approaches <i>Chair: F. Noel</i> Katara Room	WG5.1 SIG "Maturity" Special Session <i>Chair: H. Kärkkäinen</i> Lussail Room
	Information and Data Provision of Operational Data for the Improvement of Product Development <i>M. Lewandowski, K-D. Thoben -- Germany</i>	Publish and subscribe pattern for designing Demand Driven Supply Networks <i>D. Gnimpieba Zanfack, A. Nait-Sidi-Moh, D. Durand, J. Fortin -- France</i>	Different Approaches of the PLM Maturity Concept and their Use Domains – State of the Art <i>H. Kärkkäinen, A. Silventoinen -- Finland</i>
	Integrated component data model based on UML for smart components lifecycle management: a conceptual approach <i>A. Anderl, L. C-S. Durio, E. de Senzi Zancul, H. Eichhorn, K. Schützer -- Germany/Brazil</i>	An environmental burden shifting approach to re-evaluate the environmental impacts of products <i>X. Yu, A. Nongallard, A. Sekhari, A. Bouras -- France/China/Qatar</i>	CLIMB Model: Toward a Maturity Assessment Model for Product Development <i>M. Rossi, S. Terzi -- Italy</i>
	Foot Planter Pressure Estimation using Artificial Neural Networks <i>Ph. Azariadis, Z. Koutkalaki, P. Papagiannis, P. Papanikos, E. Xidias -- Greece</i>	Risk Probability Assessment Model Based on PLM's Perspective Using Modified Markov Process <i>S. Teerasoponpong, A. Sopadang -- Thailand</i>	A Maturity Model to promote the performance of Collaborative Business Processes <i>M. Fahad, M. Hachicha, N. Moalla, Y. Ouzrout -- France</i>
	PLM System Support for Collaborative Development of Wearable Meta-Products using SBCE <i>M. Elhariri Essamlali, A. Sekhari, A. Bouras --France/Qatar</i>	How additive manufacturing improves product lifecycle management and supply chain management in the aviation sector? <i>A. Romero-Torres, D. Rodrigues Vieira -- Canada</i>	A process based methodology to evaluate the use of PLM tools in the Product Design <i>A. Corallo, M. Lazoi, A. Margarita -- Italy</i>
10-10:30	Coffee Break		
10:30-11:30	<u>Opening Ceremony - Auditorium Ibn Khaldoun</u> <i>With the presence of</i> H.E Dr. Mohammed Saleh Abdulla Al Sada Minister of Energy and Industry Welcome Dr. Hassan Rashid Al-Derham Qatar University President IFIP & Conference Message Dr. Abdelaziz Bouras WG5.1 Chair Keynote Speech: Product Lifecycle Management in an Era of Manufacturing Innovation Dr. Vijai Srinivasan Division Chief, Systems Integration Division, NIST, USA		
12-1pm	Lunch		

	"BIM" Special Session Chair: V. Singh <i>Ibn Khaldoun Auditorium</i>	Languages and Ontologies <i>Katara Room</i>	Product Service Systems <i>Lussail Room</i>
1-3pm	<p>Procedural Approach for 3D Modeling of City Buildings B. Eynard, W. Zhu -- France</p> <p>Potential Improvement of Building Information Modeling (BIM) Implementation in Malaysian Construction Projects A. Afmad Latiffi -- Malaysia</p> <p>Investigating the potential of delivering Employer Information Requirements in BIM enabled Construction Projects in Qatar M. Hafiez, R. Chahrouh, V. Vukovic, N. Dawood, M. Kassem -- Qatar</p> <p>Roles and Responsibilities of Construction Players in Projects Using Building Information Modelling (BIM) A. Afmad Latiffi -- Malaysia</p> <p>3D Capture Techniques for BIM enabled LCM H. Barki, F. Fadli, A. Shaat, L. Mahjoubi, P. Boguslawski, V. Zverovich -- Qatar</p> <p>Comparing BIM in construction with 3D modeling in shipbuilding industries: Is the grass greener on the other side? L. Ran, V. Singh -- Finland</p>	<p>Natural Language Processing of Requirements for Model-Based Product Design with ENOVIA/CATIA V6 R. Pinquie, Ph. Véron, F. Segonds, N. Croué -- France</p> <p>Improving Enterprise Wide Search in Large Engineering Multinationals: A Linguistic Comparison of the Structure of Internet-Search and Enterprise-Search Queries D-E. Jones, Y. Xie, Ch. McMahon, M. Dotter, N. Chanchevriar, B. Hicks -- France/UK</p> <p>Customer Reviews Analysis Based on Information Extraction Approaches H. Zhang, A. Sekhari, F. Fourli-Kartsouni, Y. Ouzrout, A. Bouras -- France/Greece</p> <p>Knowledge sharing using ontology graph-based: application in PLM and Bioluminescence contexts C. Pham, A. Durrupt, N. Matta, B. Eynard -- France</p> <p>Towards an approach to link knowledge and prediction in product design B. Marcannet, F. Demoly, D. Manticalo, S. Gomes -- France</p> <p>A knowledge framework to capture and share knowledge using storytelling and video sharing for global product development Zammit, Joseph P, Gao, James; Evans, Richard -- UK</p>	<p>Review of Product-Service System Design methods M. Peruzzini, E. Marilungo, M. Germani -- Italy</p> <p>From selling products to providing user oriented product-service systems – Exploring service orientation in the German machine and plant manufacturing industry K. Kernschmidt, S. Preissner, Ch. Raasch, B. Vogel-Heuser -- Germany</p> <p>Data-driven Modelling: Towards Interpreting and Understanding Process Evolution of In-Service Engineering Projects L. Shi -- UK</p> <p>Meta-model of PLM for Design of Systems of Systems P. Hehenberger, M. Bricogne, J. Le Duigou, B. Eynard -- France</p> <p>A Framework of Value Creation for Industrial Product-service P. Wang, X. Ming -- China</p> <p>Servicization of Product Lifecycle Management: towards Service Lifecycle Management F. Mahut, M. Bricogne, J. Daaboul, B. Eynard -- France</p>
3-3:20pm	Coffee Break		
	Future Factory <i>Ibn Khaldoun Auditorium</i>	Knowledge Creation and Management <i>Katara</i>	Simulation and Virtual Environments <i>Lussail</i>
3:20-5:20pm	<p>Early Prototyping in the Digital Industry: A Management Framework J. Golovatchev, S. Schepurek -- Germany</p> <p>Modelling the Evolution of Computer Aided Design Models: Investigating the Potential for Supporting Engineering Project Management J. Gopsill, Ch. Snider, L. Shi, B. Hicks -- UK</p> <p>A Genetic Algorithm for the Inspection of Deformable Bodies by Adapting a Coherent Point Drift Algorithm I. Jbira, M. Hajbrahim, A. Tahan, B. Louhichi, A. Aidibe -- Tunisia/Canada</p> <p>Identification of regularities in CAD part and assembly models L. Chiang, F. Giannini, M. Monti -- Italy</p> <p>Proposition of a conceptual model for knowledge integration and management in Digital Factory M. Bouzid, M. Ayadi, V. Cheutet, M. Haddar -- France/Tunisia</p> <p>Identification of factors, which influence a successful implementation of PLM systems in an industrial context V. Salehi, C. McMahon -- Germany/UK</p>	<p>Capturing, structuring, and accessing design rationale across product design and FEA M. Poorkiany, J. Johansson, F. Elgh -- Sweden</p> <p>Multi-scale modeling for knowledge capitalization and Design For Manufacturability Y. Galavis, L. Roucoules, L. Martin -- France</p> <p>A Conceptual Model to Assess KM and Innovation Projects: A Need for Unified Framework P. Mbassegue, F. Lado-Nogning, M. Gardoni -- Canada</p> <p>Manufacturability assessment in the conceptual design of aircraft engines – building knowledge and balancing trade-offs R. Stolt, S. André, F. Elgh, P. Andersson -- Sweden</p> <p>Knowledge and Information Structuring in Reverse Engineering of Mechanical Systems, M. Ouamer Ali, I. Mohamed, F. Laroche, S. Remy, A. Bernard -- France</p> <p>Knowledge Management on Asset Management for End of Life Products N. Chakpitak, P. Loahavilai, K. Dahal, A. Bouras -- Thailand/UK/Qatar</p>	<p>A 3D visualization paradigm for better handling PLM contents D. Dori, F. Nael -- France</p> <p>Simulation data management and reuse: toward a verification and validation approach A. Ottino, T. Vosgien, J. Le Duigou, P. Lardeur, B. Eynard -- France</p> <p>Augmented Reality Simulation of CAM Spatial Tool Paths in Prismatic Milling Sequences S. Čuković, G. Devedžić, F. Pankratz, K. Baizid, I. Ghionea, A. Kostić -- Serbia/Romania/France/Germany</p> <p>Deeper Insights into Product Development through Data Visualization Techniques M. Hopf, J. Ovtcharova -- Germany</p> <p>Evaluation of methods to identify assembly issues in text N. Madhusudanan, B. Gurumoorthy, A. Chakrabarti -- India</p> <p>Virtual Validation of Automotive Measurement Services based on JT (ISO 14306:2012) A. Faath, A. Christ, R. Anderl, F. Braunroth -- Germany</p>
6:30-8:30pm	Reception at Al Merqab Hotel - Souk Waqif		

Tuesday 20 Oct. 2015

8:30-8:45	Industry Day Welcome <i>Ibn Khaldoun, Auditorium, Qatar University</i>
8:45-9:30	Keynote Speech Whole Lifecycle Information Flow Underpinned By BIM in Qatari construction industry: Technology, Processes, Policy and People <i>N. Dawood, Teesside University, Middlesbrough, UK</i> <i>Chairs: K.D. Thoben</i>
9:30-9:50	The future of PLM: realize smart innovation - PLM and the Monorail system at Hamad International Airport <i>C. Visser, Director Business Development Middle East, SIEMENS PLM Software</i>
9:50-10:10	Integrated Project Management System using 3DEXPERIENCE Platform <i>A. Ghalayini, Value Solutions Director</i> <i>P. Ramesh Technical Sales Lead; Dassault Systèmes UAE</i>
10:10-10:30	Coffee Break
10:30-11:30	BIM Session BIM Implementation and Project Lifecycle: success and limitations <i>Chairs: D. Ouahrani & A. Holland, DBUG Doha BIM UG (DBUG)</i> <i>A. Touati, BIM Manager ASTAD</i> <i>M. Imran, BIM Manager AEB</i> <i>A. Holland, BIM Manager KEO</i>
11:30-11:45	BIM and PLM Reconciliation: Contextual and Industrial Case Studies <i>M. A. El Hani, CEO, SCIPE Inc, Canada</i>
11:45-1pm	Lunch
1-1:30pm	Keynote Speech Current Status and Future Perspectives of Product Lifecycle Management (PLM) in China <i>H. X. Ming, Director, Shanghai Research Center for Industrial Informatics</i> <i>Chair: B. Eynard</i>
1:30-2pm	Qatar National Research Fund (QNRF) research programs funding <i>Ph. Freyssinet, Director Energy & Environment</i> <i>M. Tag, Program Manager, Information and Communication Technology; QNRF</i>
2-2:20pm	Lifecycle Management in Cyber Security standards <i>M. Bouaoud, Advisor to Minister - Cybersecurity and Smart Nation, MICT/ictQATAR</i>
2:20-2:30pm	Coffee Break
2:30-2:50pm	Enforcing Start-ups in Qatar: Towards Smart Product Development <i>I. Amarasinghe, Acting Digital Incubation Centre Section Head, MICT/ictQATAR</i>
2:50-3:30pm	Panel and Wrap-Up
4:30-6pm	Site Visit Aspire Sport Zone: The Khalifa International Stadium
7:00-9pm	Gala Dinner <i>The Torch Ballroom, Aspire</i>

Wednesday 21 Oct. 2015

	Sustainability and Systems Improvement <i>Ibn Khaldoun Auditorium</i>	Configuration and Engineering Change <i>Katara Room</i>	Education studies <i>Lussail Room</i>
8.30-10:10am	<p>Assessing social sustainability of products: an improved S-LCA method <i>M. Germani, F. Gregori, A. Luzzi, M. Mengarelli -- Italy</i></p> <p>Improving quality results from a comparative LCA: the case of polypropylene <i>M. Kozderka, B. Rose, E. Caillaud, N. Bahlouli, V. Kočí, -- France/Czech Republic</i></p> <p>Improving Manufacturing System's Lifecycle: Proposal of a Closed Loop Framework <i>D. Cerri, S. Terzi -- Italy</i></p> <p>Big Data Perspective with Ontological Modeling for long term Traceability of Cultural Heritage <i>M. Naeem, M. Fahad, N. Moalla, Y. Ouzrout, A. Bouras-- France/Qatar</i></p> <p>Performance study for a sustainable strategy: Case of Electrical and Electronic Equipments waste <i>S. Dhib, S. Addouche, A. Elmhamed, T. Loukil -- France/Tunisia</i></p>	<p>An integrated and conceptual model to manage technological change project in organizations <i>P. Mbassegue, A. Ardila-Agredo, C. Ayala-Rodrigues, M. Mendoza, E. Morales-Florez, -- Canada</i></p> <p>Case study on ECM and Digital Manufacturing <i>S. Leino, L. Jakinen, J. Anttila, A. Pulkkinen -- Finland</i></p> <p>Enhancing PLM Using Re-usable, Configurable, MBSE-Based System Patterns to Represent Platforms <i>W. Zhang, H. El-Mounayri, S. Li, J. Sherey, B. Schindel -- USA</i></p> <p>Reconfigurable modularization and customer engagement: Looking for a new PLM in an age of diversification and personalization <i>S. Fukuda -- Japan</i></p> <p>The Context of Engineering Change Management in Industrial Cases <i>A. Pulkkinen, P. Huhtala, S. Leino, J. Anttila, V. Vainio -- Finland</i></p>	<p>SaaS for Education: A Case Study of Google Apps in Software Engineering Class <i>P. Sureephong, A. Singjai -- Thailand</i></p> <p>PLM in a didactic environment: the path to smart factory <i>P. Chiabert, G. D'Antonio, A. Guarin Grisales, J. Mora Orozco, J. Sauza Bedalla -- Italy/Colombia</i></p> <p>A survey on Educational Ontologies and their Development Cycle <i>A. Karkar, J. Al Ja'am, S. Foufou -- Qatar</i></p> <p>How Notations are Developed: a Proposed Notational Lifecycle <i>T. R. G. Green, N. Fetais -- Qatar/UK</i></p> <p>Scientometric Study of Product Lifecycle Management International Conferences: A Decade Overview <i>S. Bhatt, F. Tseng, N. Maranzana, F. Segonds -- France/India/Taiwan</i></p>
10:10-10:30am	Coffee Break		
	Cyberphysical and Smart Systems <i>Ibn Khaldoun Auditorium</i>	Design and Integration issues <i>Katara Room</i>	PLM Processes and Applications <i>Lussail Room</i>
10:30-12:30	<p>A Integrated Approach for Cyberphysical Systems Driven Product Development (SDPD) by Means of Modelling a Quadcopter <i>V. Salehi -- Germany</i></p> <p>Business collaboration – an approach towards end-to-end ICT solutions for virtual factory <i>A. Shamsuzzoha, P. Helo -- Finland/Oman</i></p> <p>Integration of Smart City and Lifecycle Concepts for Enhanced Large-Scale Event Management <i>A. Hefnawy, C. Cherifi, A. Bouras -- France/Qatar</i></p> <p>PLM Framework for Development and Management Smart Energy Products <i>J. Golovatchev, O. Budde -- Germany</i></p> <p>Towards Virtual Confidence - Extended Product Lifecycle Management <i>J. Oscarsson, M. Jeusfeldt, A. Jenefeldt -- Sweden</i></p> <p>Business process re-engineering to optimize the Product Development process in the fast fashion industry: findings from a longitudinal case study <i>E. D'Avolio, R. Bandinelli, R. Rinaldi -- Italy</i></p>	<p>Towards co-designing with users: A mixed reality tool for kansei engineering <i>P-A. Arrighi, M. Santosh, C. Mougenot -- Japan</i></p> <p>A proposal of Manufacturing Execution Systems integration in Design for Additive Manufacturing <i>D'Antonio, Gianluca; Segonds, Frédéric; Sauza J. Bedalla, P. Chiabert, N. Anwer -- Italy/France</i></p> <p>Master Data Management in PLM for the Enterprise Scope <i>S. Myung -- South Korea</i></p> <p>PLM-MES integration: a case-study in automotive manufacturing <i>G. D'Antonio, J. Sauza Bedalla, G. Genta, S. Ruffa, G. Barbato, P. Chiabert, G. Pasquettaz -- Italy</i></p> <p>Product Usage in Engineering Design <i>X. Sun, R. Houssin, J. Renaud; M. Gardoni -- France/Canada</i></p> <p>Introducing Design Descriptions on Different Levels of Concretisation in a Platform Definition <i>S. André, R. Stolt, F. Elgh -- Sweden</i></p>	<p>A multiobjective optimization framework for the embodiment design of mechatronic products based on morphological and design structure matrices <i>D. Casner R. Houssin J. Renaud, D. Knittel -- France</i></p> <p>Information Quality in PLM: A production process perspective <i>T. Wuest, Thorsten, S. Wellsandt, K-D. Thoben-- Germany/USA</i></p> <p>A virtual milling machine model to generate machine-monitoring data for predictive analytics <i>D. Lechevalier, S. Shin, J. Woo, S. Rachuri, S. Foufou -- USA/Qatar</i></p> <p>PLM process and information mapping for mass customization based on additive manufacturing <i>E. Zancul, G. Delage e Silva, L. Durão, A. Rocha -- Brazil</i></p> <p>Multidisciplinary Interface Modelling: a Case Study on the Design of 3D Measurement System <i>C. Zheng, J. Le Duigou, M. Bricogne, P. Hehenberger, B. Eynard -- France/Austria</i></p> <p>A follow-up case study of the relation of PLM architecture and business processes <i>V. Vainio, A. Pulkkinen -- Finland</i></p>
12:30-1pm	Closing Session + Best Paper/Best Student Awards <i>Ibn Khaldoun Auditorium</i>		
1-2pm	Lunch		
2-9pm	4x4 Desert Safari (including Beach, Sport activities and Dinner at Bedouin Camp)		