



PLM 12

The IFIP WG5.1 9th International Conference on Product Lifecycle Management,
École de technologie supérieure
Montreal, Canada, **9th-11th July 2012**

PROGRAMME

Start	End	Duration	Programme	Place / Room
Sunday, 8th				
08:30	15:45	07:15	Doctoral Workshop Chair : Sergio TERZI & Yacine OUZROUT	Sheraton Montreal Salon 3
08:30	08:40	00:10	Welcome Louis RIVEST, Sergio TERZI, Yacine OUZROUT	
08:40	09:00	00:20	Tour de table among participants	
09:00	09:35	00:35	Presentation 1 : Daniel FITZPATRICK	
09:35	10:10	00:35	Presentation 2 : Marja LINTALA	
10:10	10:45	00:35	Presentation 3 : Pooya DAIE	
10:45	11:05	00:20	Break	
11:05	11:40	00:35	Presentation 4 : Anneli SILVENTOINEN	
11:40	12:15	00:35	Presentation 5 : Xiaoqi ZHANG	
12:15	12:50	00:35	Presentation 6 : Abdulbaset ALEMAM	
12:50	14:00	01:10	Lunch	
14:00	14:35	00:35	Presentation 7 : Dimitri SCHMITZ	
14:35	15:10	00:35	Presentation 8 : Endris Temam KERGA	
15:10	15:45	00:35	Presentation 9 : Yang Ho PARK	
14:00	17:00	03:00	IFIP WG5.1 Meeting (by invitation only) chair: Alain Bernard	Sheraton Montreal Salon 4-5
18:00	19:30	01:30	Early registration and welcome cocktail	Sheraton Montreal Sheraton Lounge Club, situated on the 37th floor

Start	End	Duration	Programme	Place / Room
Monday, 9th. MORNING				
08:00	09:00	01:00	Registration	ETS Room A-1600 (Auditorium)
09:00	09:30	00:30	Opening presented by: Pr. Louis RIVEST, ETS & Pr. H.J.PELS, WG5.1 secretary, program chairs Claude BEDARD, Dean of Research, ETS Etienne BORGESAT, CEO , PCO Innovation Pr.Aziz BOURAS, University Lumiere of Lyon, France, Conference Chair	
09:30	10:15	00:45	Key Note Speaker Professor Alain BERNARD, Ecole Centrale de Nantes - IRCCyN, Chairman of IFIP TC5.1 "Global Product Development for the whole lifecycle: news and trends"	
10:15	10:40	00:25	Break	ETS Salle des pas perdus
10:45	12:50	02:05	Parallel sessions: (Details on following pages) MAM-1: Knowledge Management 1 MAM-2: PLM Ecosystem 1 MAM-3: Tools and methodologies 1 MAM-4: Collaboration	ETS Room A-1600 (Auditorium) A-1150 / A-1160 / A-1170
12:50	13:55	01:05	Lunch	ETS Cafeteria
AFTERNOON				
14:00	14:30	00:30	Sponsored Key Note Dassault Système François BOUFFARD, Director, Global Industry Development, Dassault Systèmes "From Traditional PLM to Social PLM"	ETS Room A-1600 (Auditorium)
14:35	15:25	00:50	Parallel sessions: (Details on following pages) MPM-1A: Knowledge Management 2 MPM-2A: Modelling for PLM MPM-3A: Tools and methodologies 2 MPM-4A: Implementation	ETS Room A-1600 (Auditorium) 1150 / 1160 / 1170
15:25	15:55	00:30	Break	ETS Salle des pas perdus
15:55	17:10	01:15	Parallel sessions: (Details on following pages) MPM-1B: Knowledge Management 2 MPM-2B: Modelling for PLM MPM-3B: Tools and methodologies 2 MPM-4B: Implementation	ETS Room A-1600 (Auditorium) 1150 / 1160 / 1170
17:55	18:00	00:05	Gathering at ETS	ETS
18:00	18:30	00:30	Walk to Musée Pointe-à-Callière (1.5 km)	
18:30	21:30	03:00	Reception/cocktail/visit	Musée Pointe-à-Callière

Start	End	MAM-1: Knowledge Management 1 chair: Nadège TROUSSIER	MAM-2: PLM Ecosystem 1 chair: Nicolas MARANZANA	MAM-3: Tools and methodologies 1 chair: Frédéric DEMOLY	MAM-4: Collaboration chair: Yacine OUZROUT
		ETS Room A-1600 (Auditorium)	ETS Room A-1150	ETS Room A-1160	ETS Room A-1170
10:45	11:10	145, "Semantic relationship based knowledge management and reuse in collaborative product development" Ibrahim ASSOUROKO, Guillaume DUCCELLIER, Benoît EYNARD & Philippe BOUTINAUD	104, "Shift from PLM to SLM: a method to support business requirements elicitation for service innovation" Margherita PERUZZINI, Michele GERMANI & Claudio FAVI	167, "PLM as Support for Global Design Reuse - Long Term Benefits and Immediate Drawbacks" Christoffer LEVANDOWSKI, Mattias BOKINGE, Johan MALMQVIST & Hans JOHANNESSON	123, "Study on Collaborative Product Development and Digital Engineering Tools" Patrick MÜLLER, Florian PASCH, Roland DREWINSKI, Heinz BEDENBENDER, Haygazun HAYKA & Rainer STARK
11:10	11:35	129, "Several aspects of information flows in PLM" Hong-Bae JUN & Dimitris KIRITSIS	109, "Life-cycle oriented requirement formalization and traceability" Robert ORAWSKI, Clemens HEPPERLE, Sebastian SCHENKL, Markus MÖRTL & Udo LINDEMANN	128, "Product data reuse in product development: a practitioner's perspective" Mohamed Ali EL HANI, Louis RIVEST & Roland MARANZANA	183, "Can a Product Have a Facebook? A New Perspective on Product Avatars in Product Lifecycle Management" Thorsten WUEST, Karl HRIBERNIK & Klaus-Dieter THOBEN
11:35	12:00	164, "Managing knowledge needs during new product lifecycle design on Quick-term Project Development QPD: case study of 24 hours of innovation –ÉTS Montreal" Luz-Maria JIMENEZ-NARVAEZ, Kimiz DALKIR & Mickaël GARDONI	110, "PLM Model for Supply Chain Optimization" Imane BOUHADDU, Abdellatif BENABDELHAFID, Latifa OUZIZI & Youssef BENGHABRIT	157, "Operational framework based on modeling languages to support product repository implementation" Muriel PINEL, Christian BRAESCH, Laurent TABOUROT & Aline BERGER	147, "Management of Associations within Digital Mock-ups for Improved Collaboration" Borhen LOUHICHI & Louis RIVEST
12:00	12:25	178, "Functional architecture and specifications for Tolerancing Data and Knowledge Management" Farouk BELKADI, Magali BOSCH-MAUCHAND, Yannick KIBAMBA, Julien LE DUIGOU & Benoit EYNARD	185, "PLM interoperability with information systems" Aurélie BISSAY & Kamal CHEBALLAH	148, "Adapting product and development process for risk reduction in new product development" Marc NEUMANN, Tim SADEK & Patrick LABENDA	105, "A Framework for Evaluating Collaborative Product Representations in Product Lifecycle Workflows" Nathan HARTMAN, Phil ROSCHE & Kevin FISCHER
12:25	12:50	168, "The Role of Internal and External Sources of Knowledge in the Product Lifecycle in Biotechnology Sector" Elham TAYARAN & Andrea SCHIFFAUEROVA	156, "Manufacturing Process Planning in Set-Based Concurrent Engineering Paradigm" Kerga ENDRIS, Taisch MARCO & Terzi SERGIO	116, "Product life cycle oriented representation of uncertainty" André SPRENGER & Reiner ANDERL	111, "Future Product Lifecycle Management – A Consideration of Informal Communication as a Key Enabler for Future Product Development" Andrea DENGEL & Wolfgang UNZEITIG

Start	End	MPM-1A: Knowledge Management 2 chair: Benoit EYNARD	MPM-2A: Modelling for PLM chair: Michael REIMERINGER	MPM-3A: Tools and methodologies 2 chair: Frederic NOËL	MPM-4A: Implementation chair: Balan GURUMOORTHY
		ETS Room A-1600 (Auditorium)	ETS Room A-1150	ETS Room A-1160	ETS Room A-1170
14:35	15:00	141, "Towards the Definition of Domain Concepts and Knowledge through the Application of the User Story Mapping Method" Ana MILICIC, Apostolos PERDIKAKIS, Soumaya EL KADIRI, Dimitris KIRITSIS & Petko IVANOV	118, "Integration of Explicit Geometric Constraints in the Comparison of 3D CAD Models for Part Design Reuse" Antoine BRIERE-COTE, Louis RIVEST & Roland MARANZANA	169, "Learning Methodologies to Diffuse Lean Product Development to Industries" Monica ROSSI, Endris KERGA, Marco TAISCH, Sergio TERZI	171, "PLM Impact Analysis Model – PIA" Simo-Pekka LEINO, Juha-Pekka ANTTILA, Juhamatti HEIKKILÄ, Joonas AALTONEN & Kaj HELIN
15:00	15:25	179, "Mereotopological description of product-process information and knowledge for PLM" Frederic DEMOLY, Aristeidis MATSOKIS, Dimitris KIRITSIS & Samuel GOMES	155, "From functional analysis to CAD modelling based on knowledge transformation driven by the design process" Mehdi IRAQI, Lionel ROUCOULES	177, "Set-Based Prototyping with Digital Mock-Up Technologies" Boris TOCHE, Robert PELLERIN, Clément FORTIN & Greg HUET	170, "A Method to Identify Risks Associated with a PLM Solution" Mattias BOKINGE, Christoffer LEVANDOWSKI, Johan MALMQVIST & Hans JOHANNESSON
Start	End	MPM-1B: Knowledge Management 2 chair: Benoit EYNARD	MPM-2B: Modelling for PLM chair: Michael REIMERINGER	MPM-3B: Tools and methodologies 2 chair: Frederic NOËL	MPM-4B: Implementation chair: Balan GURUMOORTHY
15:55	16:20	184, "The need for improved integration between PLM and KM: A PLM Services Provider point of view" Berit FOLKARD, Yves KERATON, Damien MANTOULAN & Roger DUBOIS	126, "A BREP model and mesh errors detecting tool: TopoVisu" Francois PETIT & Francois GUIBAULT	125, "Improved span time performance in NPD using better coordination" Samuel SUSS & Vince THOMSON	175, "PLM reference model: a preliminary proposal for reference model evolution" Eduardo ZANCUL
16:20	16:45	181, "ECO-boat MOL Capturing data from real use of the product" Carl Christian RØSTAD & Bjørnar HENRIKSEN	173, "A modeling language for 3D process plant layout representation, exchange and visualization" Thomas PAVIOT, Virginie FORTINEAU, Samir LAMOURI & Ludovic LOUIS-SIDNEY	150, "The role of product lifecycle management systems in organizational innovation" Hamzeh K. Bani MILHIM, Xiaoguang DENG, Andrea SCHIFFAUEROVA, & Yong ZENG	120, "Decision Support Framework for PLM Harmonization Projects within Industrial Companies" Michael ABRAMOVIĆI & Jens Christian GÖBEL
16:45	17:10			166, "Creative tools and processes to remain competitive in the twenty-first century" Mario DUBOIS, Loic HAMEL & Mickael GARDONI	117, "Collaborative design tools: a comparison between free software and PLM solutions in engineering education" Nicolas MARANZANA, Frédéric SEGONDS, Frédéric LESAGE & Julien NELSON

Start	End	Duration	Programme	Place / Room
Tuesday, 10th. MORNING				
08:00	08:45	00:45	Registration	ETS Room A-1600 (Auditorium)
08:45	09:00	00:15	Opening and introduction	
09:00	10:30	01:30	Industrial-1 chair: Aziz BOURAS	
09:00	09:45	00:45	John WYZYKOWSKI, Director, Enterprise PLM & Strategic Cost Reduction, Pratt & Whitney Canada & Michel ROBICHAUD, Enterprise PLM Program Mgr., Pratt & Whitney Canada "The DNA of PLM at Pratt & Whitney Canada – An enterprise transformation"	
09:45	10:30	00:45	Steven Weyman, Head of Special Projects, Power Generation Engineering Department Hydro-Quebec Equipment Division, "PLM Implementation at Hydro-Quebec"	
10:30	11:00	00:30	Break	ETS Salle des pas perdus
11:00	12:00	01:00	Industrial-2 chair: Klaus-Dieter THOBEN	ETS Room A-1600 (Auditorium)
11:00	11:30	00:30	Alexander PREIS, Director Product Development System, Bombardier Aerospace & Marco BEAULIEU, Lead Knowledge Management, Bombardier Aerospace "The role of Knowledge Management in Aircraft Product Development"	
11:30	12:00	00:30	Chantal GAMACHE, Knowledge Manager, Hydro-Québec, & François MAGNAN, President, Categorical Design Systemes "GIT - Knowledge management methodology in Hydro-Québec Production"	
12:00	13:20	01:20	Lunch	ETS Cafeteria

Start	End	Duration	Programme	Place / Room
Tuesday, 10th. AFTERNOON				
13:30	14:30	01:00	Industrial-3A chair: Henk Jan PELS	ETS Room A-1600 (Auditorium)
13:30	14:00	00:30	Philippe GAUTREAU, Consulting Manager, PCO-Innovation "Knowledge management: a major challenge for a consulting company dedicated to PLM"	
14:00	14:30	00:30	Patrice BÉLANGER, Manager, PLM Processes, Bombardier Aerospace "Enabling PLM at Bombardier Aerospace"	
14:30	15:00	00:30	Break	ETS Salle des pas perdus
15:00	16:00	01:00	Industrial-3B chair: Henk Jan PELS	ETS Room A-1600 (Auditorium)
15:00	15:30	00:30	Martin ROY, QA Associate director, Johnson & Johnson "Change management in the consumer goods industry using PLM"	
15:30	16:00	00:30	Michael GRIEVES, NASA Marshall Space Flight Center, Huntsville, Alabama and Florida Institute of Technology, Melbourne, Florida, USA "Virtually Indistinguishable: Systems Engineering and PLM"	
16:00	16:30	00:30	Forum Discussion	
18:20			Bus Departure	Sheraton Montreal
19:00	22 :00	3 :00	Cocktail & Gala Dinner at La Toundra, Île Notre-Dame Dress code: Business casual	La Toundra

Start	End	Duration	Programme	Place / Room
Wednesday, 11th. MORNING				
09:00	09:40	00:40	Pr.Bruno BACHIMONT, Head of Research, Université de Technologie de Compiègne "Knowledge engineering and PLM : integrating the past and the future"	ETS Room A-1600 (Auditorium)
09:40	10:00	00:20	Break	ETS Salle des pas perdus
10:00	12:05	02:05	Parallel sessions: (Details on following pages) WAM-1: Web, Semantics and Ontologies for PLM WAM-2: PLM Ecosystem 2 WAM-3: Tools and methodologies 2 WAM-4: Formalization for PLM	ETS Room A-1600 (Auditorium) 1150 / 1160 / 1170
12:05	12:20	00:15	Break	ETS Salle des pas perdus
12:20	12:50	00:30	Closing session PLM12 Concluding remarks, Best conference paper award (500€), Best student presentation award (250€), PLM13 Announcement A.BERNARD, A.BOURAS & L.RIVEST	ETS Room A-1600 (Auditorium)
12:50	14:00	01:10	Lunch	ETS Cafeteria
AFTERNOON				
14:00			Bus Departure for Industry visit or walk to Museum (1.5 km)	ETS
14:30	16:15		Industry Visit (Pratt & Whitney Canada or Bombardier Aerospace, reservation required) or Guided Cultural Tour, Montreal Museum of Fine Arts, "Beyond Pop Art: Tom Wesselmann"	
17:00			Informal Drink	Hotel de la Montagne

Start	End	WAM-1: Web, Semantics and Ontologies for PLM chair: Sergio TERZI	WAM-2: PLM Ecosystem 2 chair: Borhen LOUHICHI	WAM-3: Tools and methodologies 2 chair: Lionel ROUCOULES	WAM-4: Formalization for PLM chair: Greg HUET
		ETS Room A-1600 (Auditorium)	ETS Room A-1150	ETS Room A-1160	ETS Room A-1170
10:00	10:25	138, "A holistic approach for the architecture and design of an ontology-based data integration capability in product master data management" Daniel FITZPATRICK, François COALLIER & Sylvie RATTE	121, "PLM-based Service Data Management in Steam Turbine Business" Patrick MÜLLER, Michael MUSCHIOL & Rainer STARK	160, "Towards PLM for mechatronics system design using concurrent software versioning principles" Matthieu BRICOGNE, Louis RIVEST, Nadège TROUSSIER & Benoît EYNARD	133, "Visual product architecture modelling for structuring data in a PLM system" Hans Peter Lomholt BRUUN & Niels Henrik MORTENSEN
10:25	10:50	144, "Dynamic customization and validation of product data models using semantic web tools" Sylvere KRIMA, Allison Barnard FEENEY & Sebti FOUFOU	176, "Verification of Item Usage Rules in Product Configuration" Alexey VORONOV, Anna TIDSTAM, Knut ÅKESSON & Johan MALMQVIST	163, "Lifecycle oriented planning of mechatronic products and corresponding services" Konstantin KERNSCHMIDT, Clemens HEPPERLE, Markus MÖRTL & Birgit VOGEL-HEUSER	134, "Towards Model-Based System Engineering for Simulation-Based Design in Product Data Management Systems" Thomas VOSGIEN, Thomas Nguyen VAN, Marija JANKOVIC, Benoît EYNARD, Jean-Claude BOCQUET
10:50	11:15	112, "Toward an automatic reduction of non-added value tasks in the project-product-process domain" Jeremy BOXBERGER, Mathieu LEBOUTEILLER, Toufik BOUDOUH & Samuel GOMES	174, "DMU maturity management as an extension of the Core Product Model" Guillaume HERLEM, Pierre-Antoine ADRAGNA, Guillaume DUCCELLIER & Alexandre DURUPT	162, "Design system assessment tool" S. GENDRON, J. BROUSSEAU, A. ELOUAFI & B. URLI	143, "Defining the customer dimension of PLM maturity" Silventoinen ANNELI, Pels Henk JAN, Kärkkäinen HANNU
11:15	11:40	182, "SWRL as a rule language for ontology-based models in power plant design" Virginie FORTINEAU, Thomas PAVIOT, Ludovic LOUIS-SIDNEY & Samir LAMOURI	119, "Design and Implementation of a PLM System for Sustainable Manufacturing" Wen-Bin ZHAO, Yang Ho PARK, Hye Yun LEE, Chan Mo JUN & Sang Do NOH	172, "Software management in product structure" Gülden ŞENALTUN & Can CANGELİR	153, "Maturity model for improving virtual engineering in small and medium-sized enterprises" Tobias BENSIEK & Arno KUEHN
11:40	12:05	187, "Supporting SME Marketing Agility Through the Use of Web 2.0 and Electronic Marketing Tools - The case of an SME in the real-estate consumer market" Mohamed Reda BENLABED & Mickaël GARDONI	137, "Visual and interactive tool for product development process enhancement: towards intuitive support of co-located project review" Samira SADEGHI, Cédric MASCLET & Frédéric NOËL	132, "PLMXQuery: Towards a Standard PLM Querying Approach" Mohamed-Foued SRITI & Philippe BOUTINAUD	115, "Approach on Lifecycles on Research Environment and Analysis Based on Systems Engineering" Marja LINTALA, Jivka OVTCHAROVA & Pierre BONNAL