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<td>9:00-9:30</td>
<td>Opening</td>
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<td>[W-2.1] Information and Knowledge Management (I) - Technologies</td>
<td>[R-2.1] Special Session: Use Case Data Requirements for Product Models in Building Energy</td>
<td>[R-2.2] Implementation and Deployment (I) - Principles and Case Studies</td>
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<td>11:30-12:00</td>
<td>[W-2.2] Collaboration and Teamwork</td>
<td>[W-2.3] Special Session: Energy Efficient Neighborhoods (see: Neighborhoods, I)</td>
<td>[R-2.3] Information &amp; Knowledge Management (IV) - Construction</td>
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<td>12:00-12:30</td>
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<td>[W-3.1] Information and Knowledge Management (II) - Life Cycle Operations and Energy Efficiency</td>
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<td>14:30-15:00</td>
<td>[W-3.2] Standardization of Data Structures and Interoperability</td>
<td>[W-3.3] 5D/nD Modeling, Simulation and Augmented Reality</td>
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<td>[R-3.1] Special Session: Energy Efficient Neighborhoods (see: Neighborhoods, II)</td>
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<td>16:00-16:30</td>
<td>([W-4.1] Information &amp; Knowledge Management (III) - Life Cycle Operations and Energy Efficiency</td>
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<td>[R-3.3] BIM Implementation and Deployment (II) - Human Resources &amp; Economics</td>
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<td>16:30-17:00</td>
<td>([W-4.2] Smart Cities</td>
<td>[R-4.1] Sustainable Buildings and Urban Environments</td>
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<td>EAPP M Assembly Meeting</td>
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Detailed listings of the hosted conference papers per Session can be found at the conference website [http://cyprusconferences.org/ecppm2016/]
Wednesday, 07 Sep

9:00 - 9:20 Opening (Dr. Symeon Christodoulou, University of Cyprus)
Chair: Symeon Christodoulou, University of Cyprus
Room: St. Raphael Resort, Room TBA

9:20 - 10:30 Plenary Session
Chair: Symeon Christodoulou, University of Cyprus
Room: St. Raphael Resort, Room TBA

10:30 - 11:00 Coffee Break
Room: St. Raphael Resort

11:00 - 12:30 [W-2.1] Information & Knowledge Management (I) - Technologies
Room: St. Raphael Resort, Room TBA

11:00 SimpleBIM: From full ifcOWL graphs to simplified building graphs
Pieter Pauwels, Ana Roxin

11:15 IFC model checking based on mvdXML 1.1
Matthias Weise, Thomas Liebich, Nicholas Nisbet, Claudio Benghi

11:30 Querying Linked Building Data Using SPARQL with Functional Extensions
Chi Zhang, Jakob Beetz

11:45 Context aware information spaces through adaptive Multimodel Templates
Frank Hilbert, Raimar Scherer

12:00 Access Control for Web of Building Data: Challenges and Directions
Jyrki Oraskari, Seppo Törmä

11:00 - 12:30 [W-2.2] Collaboration and Teamwork
Room: St. Raphael Resort, Room TBA

11:00 Integrated buildings and systems design: approaches, tools, and actors
Ardeshir Mahdavi, Birgit Rader

11:15 Ecosystem and platform review for construction information sharing
Irina Peltomaa, Markku Kiviniemi, Janne Väre

11:30 Building Information Modeling (BIM) for LEED® IEQ category prerequisites and credits calculations
Giacomo Bergonzoni, Marco Capelli, Simone Viani, Francesco Conserva

11:45 Emotional Intelligence - Improving the performance of Big Room
Otto Alhava, Enni Laine, Arto Kiviniemi

12:00 A Comparative Review of Systemic Innovation in the Construction and Film Industries
Sujesh Sujan, Gulnaz Aksenova, Arto Kiviniemi, Steve Jones

11:00 - 12:30 [W-2.3] Special Session: Use Case Data Requirements for Product Models in
Building Energy Management Processes

11:00 SWIMing Project - Guidelines for Publishing Building Data as Linked Data
Kris McGlinn

11:15 Semantic Data Integration for Smart Cities using Linked Data
Kiril Tonev

11:30 Energy & environmental benefits assessment via modeling & simulation for different building typologies &
climates - The RESILIENT project
Nikolaos Kaklanis
11:45  Capturing Building Data Requirements in the NewTREND Project  
Matthias Weise

12:00  A comprehensive ontologies-based framework to support retrofitting design of energy-efficient districts  
Gonçal Costa, Álvaro Sicilia, Georgios Lilis, Dimitrios Rovas, José Luis Izkara

12:15  ifcOWL for Managing Product Data  
Pieter Pauwels

12:30 - 14:00  Lunch Break  
Room: St. Raphael Resort

14:00 - 15:30  [W-3.1] Information & Knowledge Management (II) - Building and Urban Scale
14:00  An Agile Process Modelling Approach for BIM Projects  
Udo Kannengiesser, Ana-Maria Roxin

14:15  Implications of a BIM-based facility management and operation practice for design-intent models  
Pouriya Parsanezhad, Väino Tarandi, Örjan Falk

14:30  Seamless Integration of Common Data Environment Access into BIM Authoring Applications: the BIM Integration Framework  
Cornelius Preidel, André Borrmann, Carl-Heinz Oberender, Markus Tretheway

14:45  Pragmatic Use of LOD - a Modular Approach  
Niels Treldal, Flemming Vestergaard, Jan Karlshøj

15:00  Identifying and addressing multi-source database inconsistencies: Evidences from global road safety information  
Loukas Dimitriou, Paraskevas Nikolaou

14:00 - 15:30  [W-3.2] Standardization of Data Structures and Interoperability  
Room: St. Raphael Resort, Room TBA
14:00  Facilitating the BIM coordinator and empowering the suppliers with automated data compliance checking  
Leon van Berlo, Eleni Papadonikolaki

14:15  DRUMBEAT Platform – A Web of Building Data Implementation with Backlinking  
Nam Vu Hoang, Seppo Törmä

14:30  A versatile and extensible solution to the integration of BIM and energy simulation  
Davide Mazza, Emira El Asmi, Sylvain Robert, Khalidoum Zreik, Bruno Hilaire

14:45  IfcTunnel - A proposal for a multi-scale extension of the IFC data model for shield tunnels under consideration of downward compatibility aspects  
Simon Vilgertshofer, Javier Ramos Jubierre, André Borrmann

15:00  Delivering COBie data - Focus on curtain walls and building envelopes  
Michele Carradori, Michele Scotton, Paolo Borin, Carlo Zanchetta, Jan Karlshøj

14:00 - 15:30  [W-3.3] 5D/nD Modelling, Simulation and Augmented Reality  
Room: St. Raphael Resort, Room TBA
14:00  Software library for spatial-temporal modeling and reasoning  
Vitaly Semenov, Vladislav Zoitov, Konstantin Kazakov, Konstantin Petrishchev

14:15  BIM Registration Methods for Mobile Augmented Reality-Based Inspection  
Mariana Kopysia, Ioannis Brilakis

14:30  Generation of Serious Games Environments from BIM for a Virtual Reality Crisis-Management System  
Anna Wagner, Uwe Rüppel

14:45  Simulation model generation combining IFC and CityGML data  
Georgios Nektarios Lilis, Georgios Giannakis, Kyriakos Katsigarakis, Dimitrios Rovas, Gonçal Costa, Álvaro Sicilia, Miguel Garcia

15:30 - 16:00  Coffee Break  
Room: St. Raphael Resort
16:00 - 17:15  [W-4.1] Information & Knowledge Management (III) - Life Cycle Operations and Energy Efficiency
Room: St. Raphael Resort, Room TBA

16:00  Information Requirement Definition for BIM: A Life Cycle Perspective
Georg Ferdinand Schneider, Aude Bougain, Peter Stephan Noisten, Matthias Mitterhofer

16:15  A flexible and scalable approach to building monitoring and diagnostics
Matthias Schuss, Ardeshir Mahdavi, Stefan Grawischnig

16:30  Acquisition and processing of input data for building certification: An approach to increase the reproducibility of energy certificates
Ulrich Pont, Olga Proskurnina, Mahnameh Taheri, Ardeshir Mahdavi, Bernhard Sommer, Goga S. Nawara, Gabriela Adam

16:45  Utilization of GIS Data for Urban-Scale Energy Inquiries: A Sampling Approach
neda ghiassi, Ardeshir Mahdavi

17:00  Semantic Interoperability for Holonic Energy Optimization of Connected Smart Homes and Distributed Energy Resources
Shaun Howell, Yacine Rezgui, Jean-Laurent Hippolyte, Monjur Moursheh

16:00 - 17:15  [W-4.2] Smart Cities
Room: St. Raphael Resort, Room TBA

16:00  Energy matching and trading within green building neighborhoods based on stochastic approach considering uncertainty
Seyedeh Samaneh Ghazimirsaeid, Terrence Fernando, Mousa Marzband

16:15  Using a mobile application to assess building accessibility in smart cities
Núria Forcada, Marcel Macarulla, Rafaela Bortolini

16:30  Prediction of traffic characteristics in Smart Cities based on Deep Learning Mechanisms
Vana Gkania, Loukas Dimitriou

16:45  Monitoring Drivers’ Perception of Risk within a Smart City Environment
Loukas Dimitriou, Katerina Stylianou

17:30 - 18:30  EAPPM Assembly Meeting
Chair: Dr. Raimar Scherer
Room: St. Raphael Resort, Room TBA

18:30 - 20:00  Reception
Room: St. Raphael Resort, Room TBA
Thursday, 08 Sep

9:00 - 10:30  Plenary Session (Dr. Lucio Soibelman, University of Southern California)  
Chair: Symeon Christodoulou, University of Cyprus  
Room: St. Raphael Resort, Room TBA

10:30 - 11:00  Coffee Break  
Room: St. Raphael Resort, Room TBA

11:00 - 12:30  [R-2.1] Special Session: Energy Efficient Neighborhoods (ee-Neighborhoods, I)  
Room: St. Raphael Resort, Room TBA

11:00  A collaborative environment for energy-efficient buildings within the context of a neighbourhood  
May Bassanino, Terrence Fernando, Kuo-Cheng Wu, Samanek Ghazimirsaeid, Krzysztof Klobut, Tarja Mäkeläinen, Mari Hukkalainen

11:15  KPI framework for energy efficient buildings and neighbourhoods  
Krzysztof Klobut, Tarja Mäkeläinen, Aapo Huovila, Juha Hyvärinen, Jari Shemeikka

11:30  Multiscale building modelling and energy simulation support tools  
Ander Romero, José Luis Izkara, Asier Mediavilla, Iñaki Prieto, Juan Pérez

11:45  From District Information Model (DIM) to Energy Analysis Model (EAM) via Interoperability  
Niccolò Rapetti, Matteo Del Giudice, Anna Osello

12:00  Energy modelling of existing facilities  
Nicholas Nisbet, John Cartwright, Martin Aizlewood

12:15  A collaborative platform integrating multi-physical and neighbourhood aware building performance analysis driven by the optimized HOLISTEEC building design methodology  
Hervé Pruvost, raimar scherer, Klaus Linhard, Georg Dangi, sylvain robert, Davide Mazza, Asier Mediavilla, dirk van maercke, Eberhard Michaelis, Gamal Kira, Tarja Häkkinen, Elisabetta Delport, Carolina Ferrando

11:00 - 12:30  [R-2.2] BIM Implementation and Deployment (I) - Principles and Case Studies  
Room: St. Raphael Resort, Room TBA

11:00  Is BIM-based product documentation based on applicable principles? – Practical use in Norway and Portugal  
Eilif Hjelseth, Pedro Mêda Magalhães

11:15  Necessary conditions for the accountable inclusion of dynamic representations of inhabitants in building information models  
Ardesthir Mahdavi, Farhang Tahmasebi

11:30  Methodology for tracking BIM benefits on project level  
Tarja Mäkeläinen, Juha Hyvärinen, Mirikka Rekola

11:45  BIM for the integration of Building Maintenance Management: A case study of a university campus  
Rafaela Bortolini, Nuria Forcada, Marcel Macarulla

12:00  A comparative case study of coordination mechanisms in Design and Build BIM-based projects in the Netherlands  
Ajibade Abiu, Eleni Papadonikolaki

11:00 - 12:30  [R-2.3] Information & Knowledge Management (IV) - Construction  
Room: St. Raphael Resort, Room TBA

11:00  Construction Information Framework – the role of classification systems  
Pedro Mêda Magalhães, Eilif Hjelseth, Hipólito Sousa

11:15  A Semantic Web Approach to Efficient Building Product Data Procurement  
Neda ghiassi, Mahnameh Taheri, Ulrich Pont, Ardesthir Mahdavi

11:30  BIM adoption for on-site reinforcement works – A work system view  
Alejandro Figueres-Munoz, Christoph Merschbrock
11:45 Classification of detection states in construction progress monitoring
Alex Braun, Sebastian Tuttas, André Borrmann, Uwe Stilla

12:00 Introducing process mining for AECFM: three experimental case studies
Stijn van Schaijk, Leon van Berlo

12:30 - 14:00 Lunch Break
Room: St. Raphael Resort

14:00 - 15:30 [R-3.1] Special Session: Energy Efficient Neighborhoods (ee-Neighborhoods, II)
Room: St. Raphael Resort, Room TBA

14:00 Collaboration requirements and interoperability fundamentals in BIM based multi-disciplinary building design processes
Rasso Steinmann, Klaus Linhard, Georg Dangl, Gloria Calleja-Rodriguez, Marie-Christine Geissler, Romy Guruz

14:15 Technical challenges and approaches to transfer building information models to building energy
Frank Noack, Vanda Dimitriou, Stephen K. Firth, Tarek M. Hassan, Peter Katranuschkov, Raimar Scherer, Nuno Ramos, Pedro Pereira, Pedro M. N. Maló, Terrence Fernando

14:30 Task-Specific Linking for Generating an eeBIM Model based on an Ontology Framework
Mathias Kadolsky, Raimar Scherer

14:45 Visual support for multi-criteria decision making
Tuomas Laine, Francisco Forns-Samso, Ville Kukkonen

15:00 An IT-based holistic methodology for analysing and managing building lifecycle risk
Hervé Pruvost, Tom Grille, Raimar Scherer

15:15 Open eeBIM Platform for Energy-Efficient Building Design
Raimar Scherer, Peter Katranuschkov, Ken Baumgärtel

14:00 - 15:30 [R-3.2] Building Performance Simulation
Room: St. Raphael Resort, Room TBA

14:00 Method of obtaining environmental impact data during the project development process through BIM tool use.
Micheline Marcos, Erica Yoshioka

14:15 A novel approach to building performance optimisation via iterative operations on attribute clusters of designs options
Ardeshir Mahdavi, Hamidehra Shirdel, Farhang Tahmasebi

14:30 BIM-based building design platform - Local environmental effects on building energy performances
David DA SILVA, Patrick CORRALES, Philippe TOURNIER, Margarita CHEREPANOVA

Raja R. A. Issa, Jun Zhang

15:00 Using BIM to Support Simulation of Compliant Building Evacuation
Johannes Dimyadi, Michael Spearpoint, Robert Amor

14:00 - 15:30 [R-3.3] BIM Implementation and Deployment (II) - Human Resources & Economics
Room: St. Raphael Resort, Room TBA

14:00 Human-Resources Optimization & Re-Adaptation Modelling in Enterprises
Stylianos Zikos, Savvas Rogotis, Stelios Krinidis, Dimosthenis Ioannidis, Dimitrios Tzovaras

14:15 A Review of Resource Based View In The Construction Industry: A BIM case as a strategic resource
Ozlem Geylani, Prof.Dr. Attila Dikbas

14:30 Building Information Modeling in use: How to evaluate the Return on Investment?
Annie Guerriero, Sylvain Kubicki, Sandrine Reiter

14:45 A new training concept for implementation of 5D planning with regard to construction of large-scale projects
Leonid Herter, Katja Silbe, Joaquín Díaz

15:00 Combining BIM models and data with game technology to improve the decision making process:
'Playconstruct'.
Howard Jeffrey
15:30 - 16:00  Coffee Break  
Room: St. Raphael Resort

16:00 - 17:15  [R-4.1] Sustainable Buildings and Urban Environments  
Room: St. Raphael Resort, Room TBA

16:00  Energy savings and maintenance optimization through the implementation of GESTENSIS energy management system  
Marcel Macarulla, Miquel Casals, Marta Gangolells, Blanca Tejedor

16:15  RESPONSIVENESS BASED MATERIAL - [PASSIVE] SHADING CONTROL SYSTEM  
Maria João de Oliveira, Vasco Rato, Carla Leitão

16:30  Promoting energy users' behavioural change in social housing through a serious game  
Miquel Casals, Marta Gangolells, Marcel Macarulla, Alba Fuertes, Rory Jones, Sabine Pahl

16:45  Total life cycle and near real time environmental assessment approach: an application in a district and urban environment?  
Corentin Kuster, Yacine Rezgui

16:00 - 17:15  [R-4.2] Information & Knowledge Management (V) - Infrastructure  
Room: St. Raphael Resort, Room TBA

16:00  Detecting, classifying and rating roadway pavement anomalies using smartphones  
Charalambos Kyriakou, Symeon Christodoulou, Loukas Dimitriou

16:15  Patch Defects Detection for Pavement Assessment, using Smartphones and Support Vector Machines  
Georgios Hadjidemetriou, Symeon Christodoulou

16:30  Comparing Diurnal Patterns of Domestic Water Consumption: An International Study  
Julia Terlet, Gaëlle Bulteau, Thomas H. Beach, Yacine Rezgui

16:45  Waterloss Detection in Streaming Water Meter Data Using Wavelet Change-Point Anomaly Detection  
Symeon Christodoulou, Elena Kourti, Agathoklis Agathokleous, Christina Christodoulou

17:30 - 18:30  Meeting of the "Best PhD Paper Award" Committee  
Chair: Dr. Symeon Christodoulou  
Room: St. Raphael Resort, Room TBA

19:00 - 22:00  Conference Dinner  
Room: TBA
Friday, 09 Sep

9:00 - 10:30  Plenary Session (Dr. Ioannis Brilakis, Cambridge University)
              Chair: Symeon Christodoulou, University of Cyprus
              Room: St. Raphael Resort, Room TBA

10:30 - 11:00  Coffee Break
               Room: St. Raphael Resort

11:00 - 12:00  [F-2.1] Construction/Risk Management; Regulatory & Legal Aspects
               Room: St. Raphael Resort, Room TBA

11:00  Managing constructability on a construction stage: BIM methods
       Matti Tauriainen, Joni Helminen, Jari Puttonen

11:15  Integrating BIM and Agent-Based Modelling for construction operational optimization
       Francesco Livio Rossini, Gabriele Novembri, Antonio Fioravanti, Cristiano Insola

11:30  Topological Robustness and Vulnerability Assessment of Water Distribution Networks
       Agathoklis Agathokleous, Christalleni Christodoulou, Symeon Christodoulou

11:45  CONTRACTUAL AND LEGAL ISSUES FOR BUILDING INFORMATION MODELLING IN TURKEY
       Zeynep Sozen, Attila Dikbas

11:00 - 12:00  [F-2.2] Description Logics and Ontology Application in AEC
               Room: St. Raphael Resort, Room TBA

11:00  Structured building monitoring: ontologies and platform
       Ardeshir Mahdavi, Stefan Glawischnig, Farhang Tahmasebi, Matthias Schuss, Alexandra Heiderer

11:15  SemCat: Publishing and Accessing Building Product Information as Linked Data
       Gudni Gudnason, Pieter Pauwels

11:30  Automatic ontology-based Green Building Design Parameter Variation and Evaluation in Thermal Energy
       Building Performance Analyses
       Ken Baumgärtel, Raimar J. Scherer

12:00 - 13:00  Closing Session & Awards Ceremony
               Chair: Dr. Symeon Christodoulou, Dr. Raimar Scherer
               Room: St. Raphael Resort, Room TBA

13:00 - 14:00  Lunch
               Room: St. Raphael Resort