

## EuroSPI<sup>2</sup> 2013 Experience Sessions (ES)

### ES 1: Agile I

26.06.2013 10.00-11.25, Room:

**Presentation 1: Managing Mobile Application Quality through an Agile Software Process**

Phelim Dowling, Kevin McGrath, Gemma Power, TSSG, Waterford Institute of Technology, Carriganore, Waterford, Ireland

**Presentation 2: Definitions of Agile Software Development and Agility**

Maarit Laanti, Nitor Delta, Finland; Jouni Similä, University of Oulu, Finland; Pekka Abrahamsson, Free University of Bozen-Bolzano

**Presentation 3: Evidence of Agile Adoption in Software Organizations: An Empirical Survey**

Efi Papatheocharous, SICS Swedish ICT, Swedish Institute of Computer Science Kista, Sweden; Andreas S. Andreou, Cyprus University of Technology, Lemesos, Cyprus

**Presentation 4: An Agile Management Process Group for TestSPICE® How to Assess and Improve Agile Management**

Tomas Schweigert, SQS Software Quality Systems AG, Köln, Germany; Dr. Mohsen Ekssir-Monfared, BDC EDV-Consulting GmbH, Vienna, Austria; Magda Ofner, ANECON Software Design und Beratung G.m.b.H., Vienna, Austria

### ES 2: Assessment

26.06.2013, 10.00-11.25, Room:

**Presentation 1: Assessing partially outsourced Processes – Lessons learned from TIPA Assessments**

Stéphane Cortina, Alain Renault, Michel Picard, Centre de Recherche Public Henri Tudor 29, Luxembourg

**Presentation 2: Will the Software Development Project be a Success? The Supplier Perspective**

Jaana Nevalainen, School of computing, University of Eastern Finland, Kuopio Campus  
Paula Savolainen, School of computing, University of Eastern Finland, Kuopio Campus & School of Information Systems, Technology and Management, Australian School of Business, The University of New South Wales, Australia; Jarmo J. Ahonen, School of Computing, University of Eastern Finland, Kuopio Campus & School of Information Systems, Technology and Management, Australian School of Business, The University of New South Wales, Australia

**Presentation 3: High Maturity Levels: Achieving CMMI ML5 in a Consultancy Company**

Lucas Grossi, AXPE Consulting; Jose A. Calvo-Manzano, Tomas San Feliu, Universidad Politécnica de Madrid, Spain

**Presentation 4: An ISO/IEC 15504 conformant Enterprise SPICE based Security Process Capability Model**

Rimas Kalpoka, Antanas Mitasiunas, Vilnius University, Lithuania

### ES 3: Functional Safety

26.06.2013, 10.00-11.25, Room:

**Presentation 1: An Approach to Manage the Concept Phase of ISO 26262**

Masao Ito, Nil Software Corp., Tokyo, Japan

**Presentation 2: Learner Control Charts: A Structured Way for Finding Common Causes with Decision Trees**

Banu Deniz Gunel, Onur Erdogan, Ahmet Dikici, TUBITAK-BILGEM-YTE, Ankara, Turkey

**Presentation 3: Automotive Knowledge Alliance AQUA – Integrating Automotive SPICE, Six Sigma, and Functional Safety**

Richard Messnarz, ISCN LTD/GesmbH, Ireland and Austria; Christian Kreiner, University of Technology Graz, Austria; Andreas Riel, EMIRACLE Association, Belgium; Damjan Ekert, ISCN LTD/GesmbH, Ireland and Austria; Michael Langgner, Automotive Cluster Austria, Austria; Dick Theisens, Symbol BV, Netherlands

**Presentation 4: Implementing Functional Safety Standards – Experiences from the Trials about Required Knowledge and Competencies (SafEUr)**

Richard Messnarz, ISCN LTD/GesmbH, Ireland and Austria; Christian Kreiner, University of Technology Graz, Austria; Ovi Bachmann, SIBAC, Mittelbiberach, Germany; Andreas Riel, EMIRACLE Association, Belgium; Klaudia Dussa-Zieger, Methodpark, Erlangen, Germany; Risto Nevalainen, Spinnet Oy and FISMA, Finland; Serge Tichkiewitch, ISCN LTD/GesmbH, Ireland and Austria

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### ES 4: Agile II

26.06.2013, 15.40-16.50, Room:

Presentation 1:

#### **Understanding Sprint Velocity Fluctuations for Improved Project Plans with Scrum: A Case Study**

Filipe Albero Pomar, Jose A. Calvo-Manzano, Edgar Caballero, Universidad Politécnica de Madrid, Madrid, Spain.

Presentation 2:

#### **Adapting Agile Practices to Mass-Market Application Development**

Antonio de Amescua, Alberto Heredia, Javier Garcia-Guzman, Adrián Casado-Rivas, José Á. Cuadrado-Mingo, Carlos III University of Madrid, Spain

Presentation 3:

#### **Agile maturity model. A Synopsis as a First Step to Synthesis**

Tomas Schweigert, Detlef Vohwinkel, SQS Cologne, Germany; Morten Korsaa, Delta, Copenhagen, Denmark; Risto Nevalainen, FiSMA (Finnish Software Measurement Association), Helsinki, Finland; Miklos Biro, Software Competence Center Hagenberg GmbH, Hagenberg, Austria.

### ES 5: Processes

26.06.2013, 15.40-16.50, Room:

#### **Presentation 1: Toward Systematic Approach for Objective base Software Process Tailoring**

Tisanai Krisanathamakul, Chayakorn Piyabunditkul, Apinorn Methawachananont, Horst Lichter Software Engineering Laboratory (SWE) National Electronics and Computer Technology Center (NECTEC) Pathumthani, Thailand; Thai-German-Graduate-School (TGGS)-RWTH Aachen University (Germany) Bangkok, Thailand

#### **Presentation 2: Customer-Driven Software Product Development. Software Products for the Social Media World – A Case Study**

Thomas Fehlmann, Euro Project Office AG, Zürich, Switzerland; Eberhard Kranich, T-Systems International GmbH, Bonn, Germany.

### ES 6: SPI and Intellectual Capital

26.06.2013, 15.40-16.50, Room:

#### **Presentation 1: Toward Knowledge Management to Support the Establishment of Multi-Model Environment in Software Process Improvements**

Mirna Muñoz, Jezreel Mejia, Edrisi Muñoz, Centro de Investigación en Matemáticas Av. Universidad no 222, 98068 Zacatecas, México.

#### **Presentation 2: Success Factors for Ideation based on Experiences in Automotive Industry**

Martin Neumann, KSPG AG, Neuss, Germany; Andreas Riel, EMIRAcle AISBL c/o Grenoble INP, G-SCOP UMR5272, Grenoble, France

#### **Presentation 3: Social Media Networking - A Tool for Business Improvement and Certification of Professionals**

Ricardo Colomo-Palacios, U3CM, Spain; Richard Messnarz, ISCN GesmbH/LTD, Austria & Ireland; Antonio Amescua Seco, U3CM, Spain; Kerstin Siakas, ATEI Thessaloniki, Greece; Daniel Palosi, Dennis Gabor College, Hungary; Darragh Coakley Cork Institute of Technology, Ireland; Adrienne Clarke, ISCN GesmbH/LTD, Austria & Ireland

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### ES 7: SPI & Environment

26.06.2013, 17.00-18.10, Room:

Presentation 1: **Toward Understanding the Environment of Small and Medium Enterprises to Implement Software Processes Improvement**

Mejia Jezreel, Muñoz Mirna, Muñoz Edrisi, Av. Universidad no 222, Zacatecas, México; Jose A. Calvo-Manzano, Universidad Politécnica de Madrid, Madrid, Spain

Presentation 2: **An Industrial Assessment for a Multimodel Framework**

Xabier Larrucea, Izaskun Santamaria, TECNALIA. Parque tecnologico de Zamudio 202, 48170 Bizkaia, Spain

Presentation 3: **Towards Measuring the Impact fo the SPI Manifesto: A Systematic Review**

Mary Luz Sánchez Gordón, Ricardo Colomo-Palacios, Antonio Amescua Seco, Universidad Carlos III de Madrid, Spain

### ES 8: Implementations of Experiences

26.06.2013, 17.00-18.10, Room:

Presentation 1:

**Transition to a Product Line Infrastructure: Experience at Akari Software**

Paraic Hegarty, Eoghan O'Leary, Danny Dineen, Akari Software, Ireland; David Bustard, Adrian Moore, University of Ulster, UK

Presentation 2:

**A Project Management Improvement Programme According to ISO/IEC 29110 and PMBOK®**

Antoni Lluís Mesquida, Antonia Mas University of the Balearic Islands, Palma de Mallorca, Spain

Presentation 3:

**Status of SPI Activities in Japanese Software – A View from JASPIC**

Hideto Ogasawara, Toshiba Corporation, Kawasaki, Japan

### ES 9: Traceability

26.06.2013, 17.00-18.10, Room:

Presentation 1:

**The Significance of Requirements in Medical Device Software Development**

Martin McHugh, Abder-Rahman Ali, Fergal McCaffery, Dundalk Institute of Technology, Ireland

Presentation 2:

**Effective Requirements Traceability**

Paul Schwann, Joanne Schell, NXP Semiconductors Austria GmbH, Gratkorn, Austria

Presentation 3:

**Implementation of Traceability Best Practices within the Medical Device Domain**

Gilbert Regan, Fergal Mc Caffery, Kevin Mc Daid, Derek Flood, Dundalk Institute of Technology, Ireland

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### ES 10: Medical Systems I

27.06.2012, 09.40-11.05, Room:

Presentation 1:

#### **Framework to Assist Healthcare Delivery Organisations and Medical Device Manufacturers Establish Security Assurance for Networked Medical Devices**

Anita Finnegan, Fergal McCaffery, Gerry Coleman, Regulated Software Research Centre, Dundalk Institute of Technology, Dundalk, Co Louth, Ireland

Presentation 2:

#### **Challenges experienced by Medical Device Software Development Organizations while following a Plan-Driven Software Development Life Cycle**

Martin McHugh and Fergal McCaffery, Regulated Software Research Group, Department of Computing and Mathematics, Dundalk Institute of Technology & Lero, Ireland

### ES 11: Medical Systems II

27.06.2013, 09.40-11.05, Room:

Presentation 1:

#### **Understanding the Derivation Process Using a Health Informatics Case Study**

Leandro Oliveira de Souza, Pádraig O'Leary, Eduardo Santana de Almeida, Silvio Romero de Lemos Meira, Federal University of Pernambuco (UFPE), Recife-PE, Brazil, Federal University of Bahia (UFBA), Salvador-BA, Brazil, Reuse in Software Engineering (RiSE), Recife-PE, Brazil

Presentation 2:

#### **Transforming Requirements of IEC 80001-1 into an ISO/IEC 15504-2 Compliant Process Reference Model and Process Assessment Model**

Silvana Togneri MacMahon, Fergal Mc Caffery, Frank Keenan, Regulated Software Research Centre, Department of Computing and Mathematics, Dundalk Institute of Technology, Ireland