

# Conference Day 1 - 6.9.2017

# EuroAsiaSPI<sup>2</sup>2017

08.00 - 9.00		Registration	
<p><a href="#">WS1: Gamify-SPI</a></p> <p><b>Room: 226</b></p> <p>Chairs: <b>Rory O'Connor, Dublin City Univ., Ireland &amp; Murat Yilmaz, Cankaya Univ., Turkey</b></p> <p>Deploying a gamification framework for software process improvement: preliminary results, <b>E. Herranz, Univ. Carlos III de Madrid, Spain, R. Colomo Palacios, Østfold Univ. College, Norway</b></p>		<p><a href="#">WS 6: Experiences with Agile and Lean</a></p> <p><b>Room: 229</b></p> <p>Chairs: <b>Alexander Poth, VW, Germany &amp; Susumu Sasabe, JUSE, Japan &amp; Antonia Mas, Univ. of the Balearic Islands, Spain</b></p> <p>Lean and Agile Software Process Improvement - an overview and outlook - <b>A. Poth, Volkswagen, Germany, S. Sasabe, JUSE, Japan, A. Mas, Univ. Balears, Spain</b></p> <p>Volkswagen, Germany, A new approach: not agile vs. traditional QM but applying the best of both, <b>M. Drobiez, Volkswagen, Germany</b></p> <p>Agile development is a chance to establish automated quality procedures, <b>M. Kösling, Volkswagen, Germany</b></p>	
<p>09.00 - 10.30</p> <p><b>ProDecAdmin: A Game Scenario Design Tool for Software Project Management Training, A. Calderón, Univ. of Cádiz, Spain, Mercedes Ruiz, Univ. of Cádiz, Spain, R. V. O'Connor, Dublin City Univ. Ireland</b></p> <p>State of the use of Gamification Elements in Software Development Teams, <b>M. Muñoz, Centro de Investigación en Matemáticas, Zacatecas, México, L. Angel, Centro de Investigación en Matemáticas, Zacatecas, México, J. Mejia, Centro de Investigación en Matemáticas, Zacatecas, México, G. Piedad Gasca-Hurtado, Univ. of Medellín, Colombia, M.C. Gómez-Alvarez, Univ. of Medellín, Colombia</b></p>		<p><a href="#">WS 7: Standards and Assessment Models</a></p> <p><b>Room: 230</b></p> <p>Chairs: <b>Klaudia Dussa-Zieger, imbus AG, Germany, Eric Armengaud, AVL, Austria &amp; Timo Varkoi, FiSMA ry, Finland</b></p> <p>Development of the 2nd edition of the ISO 26262 <b>G. Griessnig, AVL, Austria</b></p> <p>Improvements in Functional Safety of Automotive IP through ISO 26262:2018 Part 11, <b>A. Walker, Lorit, UK,</b></p> <p>Benefits of Defect Taxonomies and Validation of a new Defect Classification for Health Software <b>H. Ketheswarasarma, DKIT, Ireland</b></p>	
<p>10.30 - 11.00</p> <p>Examining a Reward Mechanism for Effective Usage of Application Lifecycle Management Tools, <b>Ç. Üsfekes, Çankaya Univ. &amp; HAVELSAN A.S, Turkey, M. Yilmaz, Çankaya Univ., Turkey, E- Tüzün, HAVELSAN A.S, Turkey, P. Clarke, Dublin City Univ., Ireland &amp; Lero, Ireland, Rory V. O'Connor, Dublin City Univ., Ireland &amp; Lero, Ireland</b></p> <p>CHANGCE-thinking – a ludic kick-off to chance orientation <b>P. Witzgall, PI.con – Pulse of Innovation Consulting, Puchheim, Germany, P. Kapfhammer, PI.con, Germany, E.-M- Trenz, Technical Univ. of Munich, Germany, T. Kiechle, Technical Univ. of Munich, Germany, T. Gebler, Technical Univ. of Munich, Germany, A. Indefrey, Technical Univ. of Munich, Germany</b></p> <p>Toward an assessment framework for gamified environments <b>G. P. Gasca-Hurtado, Univ. of Medellín, Colombia, M.C. Gómez- Alvarez, Univ. of, Colombia, M- Muñoz, Centro de Investigación en Matemáticas, Zacatecas, México, J. Mejia, Centro de Investigación en Matemáticas, Zacatecas, México</b></p>		<p><b>Coffee Break</b></p> <p>Integration of the 4+1 Software Safety Assurance principles with Scrum, <b>O. Doss, Leads Univ., UK</b></p> <p>A Review Study on the Critical Success Factors of Agile Software Development, <b>A. Aldamash, Univ. of Southampton, UK</b></p> <p>Lean Layout Kaizen Case Study to Create One-Piece-Flow and Prepare for Pull Implementation in a Company Experimenting Lean Transformation, <b>M. Machado, Univ. Fluminense, Brazil</b></p>	
<p>11.00 - 12.30</p> <p>Using the ISO/IEC 27034 as Reference to Develop an Application Security Control Library, <b>A. Siqueira, PUCPR, Brazil</b></p> <p>Towards a model for software process assessment and improvement in the domain of global software development, <b>A. Khan, City Univ. of Hongkong</b></p> <p>Analysis of the Requirements for The CMMI-SVC in an ISO/IEC 20000 Certified Organization, <b>B. Karaömer, Innova, Turkey</b></p>		<p>Do we speak the same language? <b>R. Bieber, K. Höckner, G. Sauberer, Forum European Diversity, Austria, Accessible Information and Accessibility through ICT: A mega trend creates the need for quality certificates for Web Accessibility Professionals in Europe and beyond</b></p> <p>Team members' interactive styles involved in the software development process, <b>A. Pena, Univ. of Guadalajara, Mexico</b></p>	
<p>12.30 - 14.00</p>		<p><b>Lunch</b></p>	

14.00 - 15.30	Innoteach - Teaching Innovation - EU project, R. Messnarz, ISCN GesmbH, L. Aschbacher, ORG Schulschwestern Graz, Austria A Game Toolbox for Process Improvement in Agile Teams, . A. Mesquida, Univ. of Baleares, Spain Gamification and affordances: How do affordances lead to gamification in a BI system? T. C. Fischer, Uppsala Univ., Sweden	Agile Procedures of an automotive OEM – views from different business areas, A. Poth, F. Wolf, Volkswagen AG, Germany Using a statistical method to compare agile and waterfall processes performance A. Siqueira, Univ. of Parana, Brazil	MDevSPICE Assessment F. McCaffery, DKIT, Ireland, The current status of the TestSPICE@ project T. Schweigert, SQS, Germany, ISO 29110 - Towards a survival analysis of very small organisations, X. Larrucea, Tecnalia, Spain	Autonomous Vehicles - Social Impact M. Mac an Airchinnigh, ISCN, Ireland,  <b>Panel Discussion / Workshop</b> Future Visions of Social Developments, New topics to be considered for next years
15.30 - 15.45	<b>Coffee Break</b>			
15.45 - 16.30	<b>Panel Discussion / Workshop</b> Future Visions of Gamification, New topics to be considered for next years "	<b>Panel Discussion / Workshop</b> Future Visions of Agile, Key Success Criteria, Topics for Next Year	<b>Panel Discussion</b> New Standards Upcoming ? Ideas for the Next Years Workshop?	<b>Panel Discussion continued</b> Future Visions of Social Developments, New topics to be considered for next years
17.00	<b>Social Event – Tatra Museum – The History of Cars – and Reception</b>			

## Conference Day 2 - 7.9.2017



08.00 - 08.40	<b>Registration</b>			
08.40 - 09.00	<b>Opening: by EuroSPI and ECQA</b>			
09.00 - 10.00	<b>Key Note 1: SQIL - SW Quality Improvement Leadership Program at Volkswagen, Martin Becker, Volkswagen AG, Germany Room: C3 Chair: R. Messnarz</b>			
	<a href="#">WS 2 SPI in Industry 4.0 – The Digitalization of Design and Manufacturing</a> <b>Room: 226</b> Chairs : <b>Andreas Riel, Grenoble Institute of Technology, France &amp; Michael Reiner University of Applied Sciences Krems, Austria</b>	<b>Research Sessions:</b>  <b>Room: 230</b>	<a href="#">WS 3 SPICE Assessors - Exchanging Experiences across Assessment Models</a> <b>Room: 229</b> Chairs: <b>Bernhard Sechser, Methodpark, Germany &amp; Rainer Dreves, Continental, Germany</b>	
09.00 - 10.30	A Design Process Approach to Strategic Production Planning for Industry 4.0, A. Riel, Grenoble INP, France, M. Flatscher, ZF Friedrichshafen AG, Germany 4.0 in the automotive domain as digitalization over the entire product lifecycle Industry, E. Armengaud, AVL, Austria Chances for virtual and augmented reality through the supply chain, S. Hammerschmid, FH Krems, Austria	<b>Research Session 1: Chair: Rory O'Connor</b> SPI and VSEs Towards the integration of security practices in the software implementation process of ISO/IEC 29110: A mapping, M. Sanchez-Gordon, UniversUniv. Carlos III Madrid, Spain, R. Colomo-Palacios, Østfold Univ. College, Norway, A. Sanchez, LogicStudio, Panam Antonio Amescua Seco, Universidad Carlos III de Madrid, Spain, X. Larrucea, Tecnalia, Spain Incorporating innovation management practices to ISO/IEC 29110, Ri.Eito Brun, Univ. Carlos III Madrid, Spain		SoQrates AK-Traces: Traceability in Safety and Security <a href="http://www.socrates.de">www.socrates.de</a>
11.00 - 11.30	<b>Coffee Break</b>			
11.30 - 12.30	Supporting the Integration of new Security Features in Embedded Control Devices through the Digitalization of Production - T. Rauter, J. Iber, M. Krisper, C. Kreiner, TU Graz, Austria Mixed Realities (AR/VR) – in a need of a maturity model for implementation, M. Reiner, FH Krems, Austria, An Approach for Data Security in the	<b>Research Session 2: Chair: Svatopluk Stofa</b> SPI and Process Models Exploring Software Process Variation Arising from Differences in Situational Context, P. Clarke, Dublin City Univ., Ireland & Lero, Ireland, R. O'Connor, Dublin City Univ., Ireland & Lero, Ireland, D. Solan, FINEOS Corporation, Ireland, P. Elger, neafForm Limited, Ireland, M. Yilmaz, Çankaya Univ., Ankara, Turkey, Adam Ennis, Dublin City Univ., Ireland, M. Gerrity, Dublin City Univ., Ireland, S.		Safety Case Traceability, R. Messnarz, ISCN, Austria Integration of Process Capability Improvement, Formal Modelling and Web Technology for Traceability, M. Biro, Software Center Hagenberg, Austria

Era of Industry 4.0, M. Ito, Nilsoft, Japan

McGrath, Dublin City Univ., Ireland, Ryan Treanor, Lero, Ireland  
 How to elicitate Processes for an ISO-based Integrated Risk Management Process Reference Model in IT settings? B. Barafort, LIST, Luxembourg, A.-L.Mesquida, Univ. of the Balearic Islands, Palma de Mallorca, Spain, A. Mas, Univ. of the Balearic Islands, Palma de Mallorca, Spain

12.30 - 14.00	<b>Lunch Break</b>		
14.00 - 15.00	<b>Key Note 2: Accessibility in ICT - a need for an ecosystem</b> , Ronald Bieber, Austrian Computer Society, Vienna, Austria & Klaus Höckner Austrian Association supporting the blind and visually impaired, Vienna, Austria <b>Room: C3</b> <b>Chair:</b> Gabriele Sauberer		
15.00 - 16.30	<b>Workshop starts...</b>  IoT - How will this influence the future production, are there any limits?	<b>Research Session 3: Chair: Jakub Stolfa</b> SPI and Safety HMI requirements creation, as the collaboration work of human and machine in the safety-critical system , M. Ito, NIL Software Corp. Tokyo, Japan Towards Systematic Compliance Evaluation Using Safety-oriented Process Lines and Evidence Mapping – T. Varkoi, FiSMA ry, Espoo, Finland, T. Mäkinen, Tampere Univ. of Technology, Pori, Finland, B. Gallina, Mälardalen Univ., Västerås, Sweden, F. Cameron, Tampere Univ. of Technology, Pori, Finland, R- Nevalainen, FiSMA ry, Espoo, FI	Best Practices of bi-lateral traceability implementation in Agile projects, C. Shivaramu, Southampton Univ., UK SoQrates AK-Traces, Exemplary safety evaluation from risk to assessment  <b>Workshop starts...</b> Does the thorough assessor need a first day return ticket?
16.30 - 17.00	<b>Coffee Break</b>		
	... Workshop continued	<b>Research Session 4: Chair: Murat Yilmaz</b> SPI & Project Management Improving Project Portfolio Management (PPM) for Improvement Projects Using the ImprovAbility model together with CMMI to achieve success with improvement at Vestas Windsystems, J. Pries-Heje, Roskilde Univ., Denmark, P. Møller Jakobsen, PMO Department, Vestas Windsystems, Denmark, M. Korsaa, Whitebox, Denmark, J. Johansen, Whitebox, Denmark Coverage of ISO/IEC 29110 Project Management Process of Basic Profile by a Serious Game, A. Calderón, Univ. of Cádiz, Spain, Mercedes Ruiz, Univ. of Cádiz, Spain, R. V. O'Connor, Dublin City Univ., Ireland.	... Workshop continued  This describes an experience where the assessor appears with 2 return tickets, one for day 1 and one for the end of the planned assessment. She/he checks traceability aspects on day 1 and if they are not fulfilled then he takes the first ticket home. What core checks would such an assessor do? What would we demonstrate in such a case? How much traceability is to be shown when she/he stays? ..... and we could save the assessors' money for one flight ticket.
17.00 - 24.00	<b>Social Event – Ostrava, Dolni oblast Vitkovice</b> <b>Dinner Key Note 3: Gear 2030 - Boosting competitiveness and growth in the European Automobile Sector</b> Petr Dolejsi, ACEA, the European Automobile Manufacturers Association <b>Room: Vitkovice Social Event</b> <b>Chair:</b> Jakub and Svatopluk Stolfa		

## Conference Day 3 - 8.9.2017



08.00 - 09.00	Registration		
09.00 - 11.00	<a href="#">WS 4 Good and Bad Practices in Improvement</a> <b>Room: 226</b> Chairs: Eva Breske, Bosch Engineering, Germany & Tomas Schweigert, SQS, Germany  An old new approach to SPI, E. Breske, Bosch	<b>Research Sessions:</b> <b>Room: 230</b>  <b>Research Session 5: Chair: Paul Clarke</b> SPI and Implementation: Improving Model Inspection Processes with Crowdsourcing: Findings from a Controlled Experiment -	<a href="#">WS 5: Functional Safety &amp; Cybersecurity</a> , <b>Room: 229</b> Chairs: Alexander Much, Elektrotbit/Continental, Germany & Miklos Biro, SCCH, Austria & Richard Messnarz, ISCN Austria

Engineering, Germany, T. Schweigert, SQS, Germany  
 SPI Manager Experiences, J. Johansen, Whitebox, Denmark  
 Formulation of Process Improvement Knowledge - 7  
 Components of a Good SPI Story, S. Norimatsu, JASPIC, Japan

D. Winkler, Vienna Univ. of Technology, Austria, M- Sabou, Vienna Univ. of Technology, Austria, S. Petrovic, Vienna Univ. of Technology, Austria, G. Carneiro, Fluminense Federal Univ., Brazil, M. Kalinowski, Fluminense Federal Univ., Brazil, S. Biffli, Vienna Univ. of Technology, Austria  
 A Metric for Evaluating Residual Complexity in Software M. Krisper, J. Iber, C. Kreiner, M. Quaritsch, M. Rexeis, S. Hausberger, Graz Univ. of Technology, Austria  
 About the Potential of Self-Adaptive Software Systems in Industrial Control Systems, T. Rauter, J. Iber, M. Krisper, C. Kreiner, Graz Univ. of Technology, Austria  
 Towards increased efficiency and confidence in process compliance J. P. Castellanos Ardila & B. Gallina, IDT, Mälardalen Univ. Västeras Sweden

Continuous Transformation of System Engineering Principles into Modern Car Design – The Need for Continuous Resilience  
 R. Messnarz, ISCN, Austria, A. Much, Elektrobit, Germany, C. Kreiner, TU Graz, Austria, M. Biro, SCCH, Austria, J. Gerner, KnowIT, Sweden  
 Extending Automotive SPICE 3.0 for the Use in ADAS service architectures, R. Messnarz, ISCN, Austria, C. Kreiner, TU Graz, Austria, G. Macher, AVL, Austria, A. Walker, Lorit, UK

11.00 - 11.30		<b>Coffee Break</b>	
11.30 - 12.30	Experiences with SQIL – SW Quality Improvement Leadership Approach from Volkswagen, R. Messnarz, D. Ekert, ISCN, Austria, I. Wüstemann, M. Sehr, BOSCH AS, Germany, J. Humpohl, HELLA, Germany  <b>Panel Session Started:</b>  Review of Values and Principles of the SPI Manifesto	<b>Research Session 6: Chair: Miklos Biro</b> SPI Issues Systematic Literature Reviews of Software Process Improvement: A Tertiary Study A.A. Khan, City Univ. of Hong Kong, J. Keung, City Univ. of Hong Kong, M. Niazi, King Fahd Univ. of Petroleum and Minerals, Saudi Arabia Overcoming public speaking anxiety of Software engineers using virtual reality exposure therapy, M. Decizci Nazligül, Cankaya Univ., Turkey, M. Yilmaz, Cankaya Univ. Turkey, U. Bulec, Cankaya Univ., Turkey, M.A. Gozcu, Cankaya Univ., Turkey, R. C. O'Connor, Dublin City Univ. Ireland, P. Clarke, Dublin City Univ., Ireland	AQUA - Knowledge Alliance for Quality in Automotive - Update and AQUA - Automotive Quality Universities Program. J. Stofa, S. Stofa, TU Ostrava, Czech Republic  <b>Panel Discussion:</b> Changing Architectural Design Patterns based on SAE J3061 in Combination with ISO 26262
12.30 - 14.00		<b>Lunch Break</b>	
14.00 - 15.00	<b>...Panel Discussion continued</b>	<b>Research Session 7:</b> <b>Chair: Michael Reiner</b> SPI and Automotive - Towards Dependability Engineering of Cooperative Automotive Cyber-Physical Systems G. Macher, AVL List, Austria, E. Armengaud, AVL List GmbH, Austria, E. Brenner, Graz Univ. of Technology, Austria, C. Kreiner, Graz Univ. of Technology, Austria An analysis of the commonality and differences between ASPICE and ISO26262 in the context of software development, P. Oliveira, CCG-Centro de Computação Gráfica, Guimarães, Portugal & Universidade do Minho, Guimarães, Portugal, A.L. Ferreira, Bosch Car Multimedia S.A. Braga, Portugal, D. Dias, CCG-Centro de Computação Gráfica, Guimarães, Portugal & Universidade do Minho, Guimarães, Portugal, T. Pereira, CCG-Centro de Computação Gráfica, Guimarães, Portugal & Universidade do Minho, Guimarães, Portugal, Paula Monteiro, CCG-Centro	Best Practices of bi-lateral traceability implementation in Agile projects, C. Shivaramu, India SoQrates AK-Traces, Exemplary safety evaluation from risk to assessment  <b>Workshop starts</b>  Panel discussion - Changing Architectural Design Patterns due to the SAE J3061 and ISO 26262 integration.
15.00 - 15.15	<b>Key Note 4: Emerging Challenges of the Automotive Industry, Czech Automotive Industry Association, Mgr. Zdeněk PETZL, LL.M., Room: C3, Chair: J.&amp;S. Stofa</b>		
15.15 - 15.45	<b>Key Note 5: The Story of the Improvability Book, Whitebox, Jorn Johansen, Room: C3, Chair: Thomas Wegner</b>		
15.45 - 16.15	<b>Best paper Award - Outlook to 2018 in Bilbao/Spain</b>		