**The PLE International Working Group invites you to the**

**29th Annual INCOSE International Symposium**

Hyatt Regency Grand Cypress, Orlando, FL, USA

One Grand Cypress Blvd. – Orlando, Florida 32836

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| PLE Working Group Preliminary Program & PLE-related Presentations | |
| **Sunday, July/21** | |
| 08:00-17:00 | * Model-Based PLE Tutorial:*Master your Product Lines and yield grater benefits through an integrated Model-Based product Line Systems Engineering approach” –* H.G. Chalé Góngora, S. Bonnet, J. Navas (Thales) |
| **Monday July/22** | |
| 15:30-16:10 | * Increasing Engineering Competitiveness with PLE & MBSE *–* Robert Hellebrand (pure-systems GmbH) |
| 19:00-21:00 | **PLE Meet & Greet - Join PLE colleagues for networking and evening drinks**  *Cuba Libre Restaurant*, *Pointe Orlando, 9101 International Dr, Orlando, FL 32819* |
| **Tuesday, July/23** | |
| 10:00-10:40 | * Solution Validation and Customer Needs Understanding in the Early Phases of Product Platform Development: a case study in Digital Manufacturing Machines – G Muller (University of SE Norway), S Kvanvik, L Budal (Esko) |
| 10:45-11:25 | * Applying Feature-Based Systems and SW PLE in Unclassified and Classified Environments – J Teaff, B Young (Raytheon), P Clements (BigLever) |
| 11:30-12:10 | * Boosting Reuse and Quality in the engineering process: revamping Product Lines – JM Alvarez (Carlos III University of Madrid), E Gallego (The Reuse Company) |
| 13:30-14:10 | * A journey in the Arcadia-Capella model-based engineering tool – S Bonnet (Thales) |
| 13:30-15:00 | **PLE Working Group Meeting – Room Poinciana AB** |
| Presentation of the Working Group, status on current projects (Primer, ISO…) and plan for new projects (INSIGHT 2020 PLE issue…) |
| **Wednesday, July/24** | |
| 10:45-11:25 | * A Conceptual Model of Compositionality – A Kumar (Tata R&D), S Natarajan (Tata Consultancy, SR Chaudhuri (TCSL) |
| 15:30-16:00 | * Feature-Based PLE for the Enterprise – D Stovall (Big Lever) |
| 16:15-16:55 | * How Model-Based Systems Engineering practices support the effective implementation of a PLE approach – S Bonnet, J Navas (Thales) |
| **Thursday, July/25** | |
| 08:00-08:40 | * Evaluation of COTS Hardware Assemblies for use in Risk Averse, Cost Constrained Space-based Systems – T Katz (Sierra Nevada Corporation) |
| 10:45-11:25 | * Smart system assets development: use your knowledge – E Gallego (The Reuse Company), T Zoller (AES Aerospace Embedded Solutions) |
| 16:15-16:55 | * Augmenting requirements with models to improve the articulation between Systems Engineering levels and optimize V&V practices – S Bonnet, JL Voirin, J Navas (Thales) |

**Program subject to change**

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