ANSYS Pre- Convergence Advanced Lecture Series Systems Business Unit May 2014

ANSYS is committed in providing solutions and services to help you obtain the maximum advantage from using simulation technology in your product development process. ANSYS India is pleased to announce several paid Pre-Conference Advanced Lecture Series. These sessions are a part of our upcoming 2014 ANSYS Convergence Conference program and will be held at Bangalore and Pune in May 2014. Details about the Seminar related to Systems Business Unit are listed below:

Name of the Topic	Location	Dates	Venue	Timings	Seating Capacity	Fees
Model Based Design approach for Safety Critical Systems	Bangalore	8-May	Hotel Royal Orchid - Spring Hall	9:30am-5pm	100	Complimentary/ By Invitation only

Final Deadline to register: April 30, 2014, 05:00 pm IST
This is a complimentary Seminar and does not include any charges.
Prior registration is required for confirmed participation.
For registrations contact: mahek.khubchandani@ansys.com

Bangalore venue:
Royal Orchid Hotels Ltd., #1, Golf Avenue, Adjoining KGA Golf Course, HAL Airport Road, Kodihalli, Bangalore - 560 008

SEMINAR

Model Based Design approach for Safety Critical Systems

Software is an important component of many complex systems. It is well known that software performs highly safety critical functions in these systems. Traditional methods of software development and verification are becoming too complicated and time consuming. With potentially multiple teams being involved in the development, it is becoming increasingly difficult to manage and deliver quality products on time that also meet stringent quality standards and certification criteria. Model Based Development of software provides an abstraction over the traditional approaches. Models are easy to create, maintain and validate compared to the traditional flow. It is also easy to communicate design intent when it is captured as a model. Modelling lends itself well to automation. Numerous tasks involved in the software development fits nicely in the modelling flow, from requirements traceability, model simulation to report generation.

Esterel Technologies and Mistral Solutions invite you to attend a free seminar on "Model Based Design approach for Safety Critical Systems". In this seminar, our experts will deliver an in depth session on complete flow of software development and verification in a model based environment, covering all aspects of safety critical software development, Qualifiable code generation and model based V&V activities. This seminar will also address the latest standards in model based development and tool qualification requirements as per industry standards.

TOPIC HIGHLIGHTS

- Safety critical software modelling
- Model based development and verification
- System simulation with software in the loop
- Overview of Software tool qualification considerations

Outline of Agenda

- An overview of DO 331 – Model based development and verification supplement to DO178C
- Model Simulation, design verification and embedded code generation
- System simulation with software controls in the loop
- Model based V&V activities
- An overview of DO 330 – Software tool qualification considerations
- Safety standards as applicable to Nuclear, Rail and Industrial applications

Speaker Profiles

Cyrille Fague
Sr. Vice President – East Operations
Esterel Technologies

Cyrille joined Esterel Technologies in the year 2000. In his current role, he is in charge of business from regions like Russia, Ukraine, India, South East Asia, China, Japan and South Korea.

Cyrille started his career in 1976 as a Software Engineer and then moved on to multiple organizations to head various sales management positions, including Texas Instruments.

Cyrille has an in depth understanding of safety critical domain. He keeps travelling most of the time to meet customers from his region, to understand their technical and business challenges and to offer innovative solutions to meet their requirements.Cyrille has a Master's Degree in Computer Science from the University of Paris.

Aubanel Monnier
Technical Director - East Operations
Esterel Technologies

Aubanel Monnier has joined Esterel in the year 2001, as an R&D Engineer. He later progressed to different roles over the year and currently he is Technical Director- East Operations. He has been actively involved with customers from India, Russia, Japan and other south eastern countries, providing technical guidance and advices on the model based development of safety critical software.

He is also an expert on OpenGL based HMI development and provides active guidance to customers developing Cockpit Display Applications. He is a member of ARINC 661 subcommittee.

He was graduated from Ecole Polytechnique de l'Université de Nice Sophia Antipolis in 2001, holding a Engineering diploma in Electronics and a Master's degree in Physics.

Pierre Vincent
Senior Consultant / SW Certification Expert
Esterel Technologies

In the fall of 2000, Pierre Vincent started his job at Esterel Technologies as R&D Engineer for SCADE Suite KCG with a first experience of development in a DO-178B context. In 2005, he became the Technical Consultant in charge of supporting customers in the development and verification of their Software application with EsterelSCADE products. Between 2009 and 2011, he was the Project Manager for the development of an Aircraft Navigation Application (DO-178B level A) for a French company. Since 2012, he is a member of Esterel-Technologies Safety Team where hecontributes to the management of SCADE products safety, prepares adoption of new certification standards within the company and still provides safety field support.

Prior to joining Esteral, Pierre Vincent wasan Airbus subcontractor in a FrenchServices Company (Transiciel). Pierre has a Master's degree in Computer Sciences from National Superior Institute of Electronics, Electrical engineering, Data processing and Hydraulics, Toulouse and a DEA in Physics of Solids from University of Sciences, Toulouse, France.

Raghavendra Bhat
Technical Consultant for India/SE Asia
Esterel Technologies

Raghavendra Bhat has joined Esterel in the year 2012 as Technical Consultant for India/SE Asia. Prior to Esterel Technologies, he was working for IBM and has close to 14 years of professional experience. He has experience with Software Development LifeCycle including Requirements Management, Software Configuration Management, Model Based design and development of Safety Critical, Embedded Real Time Systems and Testing.

He has a Master's degree in Software Systems from Birla Institute of Technology and Science, BE in Electronics and Communications from VTU and also a Diploma in Electronics. He is also an OMG Certified UML and SysML professional.