

6th European Congress

ERTS 2012

EMBEDDED REAL TIME SOFTWARE AND SYSTEMS

1-3 FEBRUARY 2012 / TOULOUSE, FRANCE
CENTRE DE CONGRÈS PIERRE BAUDIS



NEWS LETTER N° 3

ERTS² 2012: A new member in the support committee

Altran Sud-Ouest has just joined the support committee and we have met Mr Frederic Dispa, Head of Altran Sud-Ouest.



Altran Sud-Ouest has chosen to support ERTS² 2012 and to become Bronze Sponsor, what were the key factors of this decision?

We had already decided to participate to this edition of ERTS² as some of the topics addressed by this congress belong to our core business and underlie all our relations with the regional industrial network. In our contact with our usual business partners, we have then understood how it would be beneficial to stand beside them and support ERTS² 2012.

Which parts of your core business is in relation with ERTS² main topics?

Altran Sud-Ouest is traditionally a key actor in System Engineering and especially in developing new methodology around it. Among the 1700 employees of Altran Sud-Ouest, around 700 are involved in real-time systems engineering. In our region, Aeronautics is, of course, our main field of application with 80% of our activity. In addition, we are equally involved in space and automotive applications with 5% each and also in telecommunications with between 2 and 3% of our projects.

You mentioned your participation to ERTS² communications; could you tell us more about it?

Altran Sud-Ouest is presently working with Keonys and Dassault Systèmes on a promising Model-Based Systems Engineering project called RFLP for “Requirements Functions Logical & Physical”. It consists in extending CATIA V6 to support a MBSE methodology integrating both logical and physical engineering of the systems. To know more about it, I can only invite your readers to attend the conference which will be given in ERTS² by my colleagues and their co-workers of Dassault Systèmes and Keonys.

Mr Dispa, thanks for having welcome us for this interview and we hope to meet you again during the congress.

In next newsletter, we will welcome Mr Jean Botti (CTO EADS), chairman of the Support Committee and co-chairman (with J. Sifakis who we welcomed in previous newsletter) of the congress.

ERTS² 2012: The detailed Programme has been published

Legend:

Architecture
Process, Tools
Quality, Safety
Verification & Validation, Diagnostics
Model Based
Human Factor
Open Do
Tool sessions

For more details see <http://www.erts2012.org/Site/OP2RUC89/ERTS 2012 Detailed Programme.pdf>

WEDNESDAY 1 FEBRUARY 2012

09:00 – 09:30	EXHIBITION	<i>Opening Session</i>			
		Joseph SIFAKIS – Congress General and Programme Committee Chair Jean BOTTI – Congress General Chair			
		<i>Welcome Address</i>			
		TBC			
09:30– 10:30		<i>Keynote address</i>			
		<i>Embedded Systems in Automotive Industry – Trends and Challenges</i>			
		Klaus GRIMM , Daimler AG and ARTEMIS Industry Association, Germany			
10:30– 11:00		EXHIBITION VISIT / REFRESHMENT BREAK			
11:00 - 13:00		Session 1A Multi-Domain Safety Assurance	Session 1B Timing Challenges in Communication Systems	Session 1C AUTOSAR Deployment Status	Session 1D Verification & Validation I
13:00– 14:00		EXHIBITION VISIT / LUNCH			
14:00– 15:00	<i>Panel</i>				
	<i>Multi-core or Energy</i>				
15:10– 16:10	Session 2A Model Based Safety	Session 2B Case studies (Systems)	Session 2C Human Factor	Session 2D Verification & Validation II	
16:10– 16:40	EXHIBITION VISIT / REFRESHMENT BREAK				
16:40– 18:40	Session 3A IMA Architecture and Partitioning I	Session 3B Timing Analysis	Session 3C Engineering Frameworks I		
18:40 – 19:40	WELCOME RECEPTION				

THURSDAY 2 FEBRUARY 2012

09:00 – 10:00	EXHIBITION	Keynote address <i>Title TBA</i> Alberto SANGIOVANNI-VINCENELLI , UC Berkeley, USA			
10:00 – 10:30		EXHIBITION VISIT / REFRESHMENT BREAK			
10:30 – 12:30		Session 4A Engineering Frameworks II	Session 4B Hardware/Software co-design	Session 4C IMA Architecture and Partitioning II	Session 4D Safety Process
12:30 – 13:30		EXHIBITION VISIT / LUNCH			
13:30 – 15:30		Session 5A Open Source Business Models	Session 5B Case Studies in Model Based Engineering	Session 5C Reuse and Product Lines	Session 5D Software Qualimetry
15:30 – 16:00		EXHIBITION VISIT / REFRESHMENT BREAK			
16:00 – 18:00		Session 6A Requirements Engineering	Session 6B SysML in Use	Session 6C Formal Code Analysis	
18:00 – 18:45		Session Tool A Model Base Approach	Session Tool B System & Safety Engineering	Session Tool C Automotive Functional Safety ISO26262	Session Tool D <i>Operating System & Implementation</i>

FRIDAY 3 FEBRUARY 2012

09:00 – 10:00	EXHIBITION	Keynote address <i>Towards a greener and more eco efficient aerospace industry</i> Denis CHAPUIS , VP Research and Technology of EADS GROUP, France		
10:00 – 10:30		EXHIBITION VISIT / REFRESHMENT BREAK		
10:30 – 12:30		Session 7A "Open DO"	Session 7B Model Based Process	Session 7C Software Implementation
12:30 – 13:30		EXHIBITION VISIT / LUNCH		
13:30 – 14:30		Panel <i>Multi-core or Energy</i>		
14:40 – 16:10		Session 8A Safety & Security	Session 8B Model Based Testing	Session 8C Diagnostics & Pronostics
16:10 – 16:40		Closing session		