

Complex and Safe Systems Engineering 2nd International CS2E Conference

Following the success of the first edition and as requested by several industrials, we are pleased to convene you to the second International Conference on Complex and Safe Systems Engineering.

This Symposium will be held in June 2005, in the city of Arcachon, south-west of France, a sunny resort on the Atlantic Ocean coast, and close to the famous Bordeaux wine area. The Conference will be open to wide international participation: English will be the official language.

This Conference will gather programme managers, decision makers and customers. All actors committed into long development and life duration projects, involving the mastering of multidisciplinary activities and complex interfaces management are invited to give a presentation. This conference will focus of uniqueness, cost, or utilization which lead to high requirements.

This symposium is devoted to fruitful exchanges between all the delegates. Dedicated meeting rooms will be available (on request) for any kind of private side meetings and discussions.

For this second Symposium, we call for outstanding papers crossing the generic topics and the various application areas of Complex and Safe Systems Engineering

Generic topics

- Project Organisation and Management
- Risks Management
- Knowledge Management
- Safety, Reliability and Availability Approach
- Integrated Logistic Support
- Design, Development, and Qualification Methods
- Health, Safety, Environment Approach

Application Areas

- Complex Industrial Facilities
- Nuclear Engineering
- Dependable Transportation Networks
- Hazardous Products
- Safe and Secured Command & Control and Software
- Complex/Large Scientific Facilities
- Test or Simulation Benches
- Space Systems and Associated Ground Support

This conference will cover all the industrial processes, and is intended to all the manufacturing industries.

We are looking forward to meeting you in a sunny Arcachon, in June 05.



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Programme

June, 13-14, 2005 • ARCACHON, France



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Monday June 13, 2005

9:00	WELCOME ADDRESS	
	PLENARY SESSION N°1	
	Chairman : D. CABANEL, EADS SPACE Transportation	
10:00	Co-engineering and Management of Large Project E. FALLEUR (TECHNIP TPS)	
10:30	The Millau Viaduct : a World Record Speaker to be determined (EIFFAGE TP)	
10:30	Coffee Break	
	Session 1 Autonomous of the projects	Session 2 Modelisation
	Chairmen :	
11:00	L-Cat. Landing Catamaran How to Improve a Force Projection From Sea to Shore ? F. LUCAS (CNIM)	Performance Engineering Methods and Tools on the Megajoule Project C. BLANCHET (TECHNICATOME) & N. FLEUROT (CEA)
11:30	Human Factor Management in a Robotic Environment A. HAGLUND (TECHNIP France)	Digital Spacecraft - Initiative to Imple- ment a Full Virtual Engineering Process Speaker to be determined (EADS ST)
12:30	Reliability Analysis of Offshore Oil and LNG Offloading C. DE JOUETTE (PRINCIPIA)	L'avion virtuel - DASSAULT ?
12:30	Lunch	
	PLENARY SESSION N°2	
	Chairman :	
14:00	ITER : a World Wide Experiment on Fusion J. JACQUINOT (CEA)	
14:30	Implementing the International Verification System of the Comprehensive Nuclear-Test-ban Treaty : a Technical and Logistical Challenge B. WRABETZ (CTBTO)	
15:00	Coffee Break	
	Session 3 Risk Analysis and Security	Session 4 Grands équipements de simulation
	Chairmen :	
15:30	Risks Managements A. MALKASSIAN (SNC LAVALLIN)	The Laser Megajoule - Speaker to be determined (CEA)
16:00	Global Security - Speaker to be determined (THALES EC)	AIRBUS Tests - Speaker to be determined (NFM TECHNO)
16:30	Managing New Technologies in a System Development Program J.L. MACRET (EADS SPACE Transp.)	Missiles Testpool : Civil Works JB.DA TRY, E. MELLIER (SETEC TP1)
17:00	Bi-national coordination for the Lyon-Turin Railways Connexion C. CARTIER (LTF), M. PRE (SETEC)	Testing and Training Simulator for Plant Distribution Network Extension P. GAIN (CORYSS TESS)
19:00	Dinner	

Tuesday June 14, 2005

	Session 5 Recycling vs Modernising	Session 6 Systems evolution
	Chairmen :	
9:00	Operation for Asbestos Removal and Deconstruction in an Urban Environment : Example of a High-Rise Building in Nantes Ph. DEVE (BOPLAN ING)	The 2020 Vision International Council on Systems Engineering A. FAISANDIER (INCOSE)
9:30	Operation for Rehabilitation of an Industrial Site : Example of the Saverglass Case in Tourres B. CRETTINON (CHOVET ENG)	Do Complex Systems Always Need Complex System Engineering JL. WIPPLER (ALTRAN)
10:00	Coffee Break	
	PLENARY SESSION N°3	
	Chairman :	
10:30	Military Space : an Opportunity for Europe C. FRANCILLON (EADS-SPACE Transportation)	
11:00	Advanced On-board Computer-Based Safety Control for Rail Rolling Stock L. MARNEFFE (TECHNICATOME)	
	ROUND TABLE	
	Deadlines and Security Moderator : A. CHARMEAU (EADS SPACE Transportation)	
12:30	Lunch	
	Session 7 Methodologies	Session 8 Technologies
	Chairmen :	
14:00	Collaborative Management of Data and Traceability as the Whole of the Systems Engineering Processes F. CARON (EIRIS Conseil)	Interactive Robotics, Status and Trends A. FRICONNEAU (CEA LIST)
14:30	Projects Risks Analysis P. CAUMES (CIRCE Eng)	A New Way for a Titanium - Applications to the Opera of Pekin and to the Abu Dhabi Airport JM. JAEGER (SETEC)
	PLENARY SESSION N°4	
	Chairman :	
15:00	Towards a Vision of Complex System Engineering D. LUZEAUX (DGA)	
15:30	CLOSING SESSION	