



Industrial Day – Thursday 3rd September 2015

Safeprocess 2015 IFAC Symposium

SAFEPROCESS (<http://safeprocess15.sciencesconf.org/>) is a major international scientific event gathering the leading academic and industrial experts from around the world to share interest in **fault detection and diagnosis, prognosis, supervision and safety of technical processes**.

The 9th edition of this triennial symposium will take place for the very first time in France, at the ENSAM Engineering School, Paris 13th district, 2-4 September 2015.

This symposium is supported by the International Federation of Automatic Control (IFAC: <http://www.ifac-control.org/>) and many academic and industrial partners as well as organizations and research establishments.

(<http://safeprocess15.sciencesconf.org/resource/page/id/7>).

More than 300 attendants (researchers, Ph.D. students, postdocs and industrials) are expected in the French capital, originating from around 40 countries.

In order to bridge the gap between Academia and Industry for encouraging innovation and cross-fertilization in the field of dependability in the broad sense (including diagnosis, fault tolerance, prognostic, maintenance...) a special full day will be dedicated to this topic on Thursday, 3rd September. On top of the Safeprocess typical sessions (plenaries, regular and invited sessions during which the selected scientific lectures will be given) a **special session exemplifying the benefits and added-values of Academia/Industry collaborations** will be organized between 11:30 and 14:00. This unusual session will include posters, software and plant/equipment demos, success stories which have led to real industrial applications, round tables...

This full day is open to Industrials and Academics who are not still registered to Safeprocess and will give them the opportunity to present a poster printed by the organizing committee (provided the corresponding file is received before the 15th of June).

The registration to this special industrial day is mandatory (see <http://safeprocess15.sciencesconf.org/>). The fees are **120€** including session attendance, coffee-breaks, lunch and poster printing.



Industrial Day Program, Thursday 3 rd September				
8:00-.... Welcome				
8:30-9:30 : Plenary session ("grand amphi" ENSAM Paris) Prof. Don Margolis , Professor UC Davis, USA co-Director of the Hyundai Center of Excellence in Vehicle Dynamic Systems and Control. <u>The Importance of Physical System Modeling to Industry: System Models That Could Have Prevented Some Costly Mistakes</u>				
Coffee Break				
9:50-11:30 Parallel sessions, (5 presentations/session, 5 sessions in parallel)				
Grand Amphi <u>Active Fault-Tolerant Control</u>	Amphi Bézier <u>Statistical Change Detection for FDI</u>	Amphi Fournel <u>Monitoring of Mechanical Structures</u>	Amphi A <u>Large-Scale or Complex Process FDI</u>	Amphi Manet <u>Data-Driven FDI</u>
11:30-14:00 : INDUSTRIAL SESSION Posters, software and plant/equipment demos, success stories, round table... Lunch (at ENSAM Engineerin School)				
14:00-15:00 : Plenary session ("grand amphi" ENSAM Paris) Michel Comes , Airbus R&T Chief Engineer <u>Future Challenges for Civil Aircraft Systems: How to Combine Safety, Simplicity, Virtuality and Agility?</u>				
15:10 -16:50 Parallel sessions, (5 presentations/session, 5 sessions in parallel)				
<u>Damage Monitoring on Mechanical Structures</u>	<u>Applications of Probabilistic Graphical Models in Dependability, Diagnosis and Prognosis - I</u>	<u>Filtering and Estimation Approaches to FDI</u>	<u>FTC and Control Recovery</u>	<u>Condition Monitoring and Time-Series Analysis</u>
Coffee Break				
17:10-18:50 Parallel sessions, (5 presentations/session, 5 sessions in parallel)				
<u>Advanced Maintenance Engineering for Proactive and Predictive Maintenance - I</u>	<u>Applications of Probabilistic Graphical Models in Dependability, Diagnosis and Prognosis - II</u>	<u>Neural Network and Classification Approaches</u>	<u>Redundancy Analysis and Fault Detection</u>	<u>Fault Detection and Sensor Configuration</u>



Safeprocess 2015 Sponsoring

Many thanks to all our sponsors (academic and industrial partners, organizations and research establishments) for supporting the organization of Safeprocess 2015 !



If you, too, would like to support this international major event, please feel free to contact us at: contact@safeprocess2015.fr