

THEME

ALT'2008 is the 2nd international conference for presentation of new scientific results and applications in **reliability testing**. This conference assembles **researchers** and **practitioners** from universities, institutions and industries working in this field. Theoretical issues and applied case studied, presented on the conference, will range from academic considerations to industrial applications. There will be invited talks, plenary sessions and parallel sessions.

TOPICS OF CONFERENCE

- Degradation processes models
- Accelerated testing
- Planning of trials
- Statistical Methods in Reliability and Quality Control
- Modelling, Analysis and Simulation
- Survival Data Analysis
- Reliability methods in Health Sciences

STEERING COMMITTEE

Chairmen :

- Mikhail Nikulin *University of Bordeaux (Fr)*
- Fabrice Guerin *University of Angers (Fr)*

PROGRAM COMMITTEE

Scientific program committee :

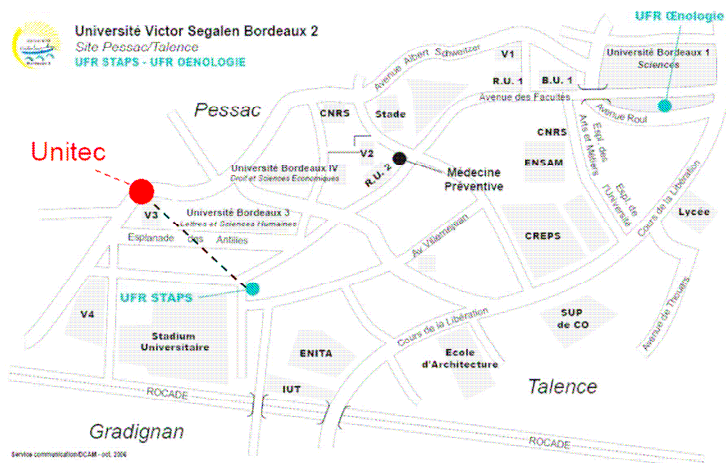
E.A. Elsayed (USA), P. Erto (Italy), L. A. Escobar (USA), O. Gaudoin (France), I. Gertsbakh (Israël), L. Gerville-Reache (France), V. Couallier (France), B. Harlamov (Russia), W. Kahle (Germany), N. Limnios (France), H. Pham (USA), I. Frenkel (Israel)

Industrial program committee :

H. Grzeskowiak (MBDA), A. Mettas (Reliasoft), P. Schimerling (Renault), G. Yang (Ford), P. Dersin (Alstom)

CONFERENCE PLACE

The conference will be held at **Faculty of sport sciences - University Victor Segalen Bordeaux 2 - Avenue Camille Jullian _ 3607 Pessac cedex**



REGISTRATION CONDITIONS

Registration fees : registration includes conference proceedings, lunches and coffee breaks, as well as the gala dinner on June 10th.

Companies / Universities	400,00 €
Students join a copy of your student card	250,00 € <i>does not include the gala dinner</i>
Gala dinner for accompanying person or for student	50,00 €

INFORMATION

Email : alt2008@sm.u-bordeaux2.fr
<http://www.u-bordeaux2.fr/alt2008/>

PROGRAM

ALT'2008

International Conference on
Accelerated Life Testing
 in Reliability and Quality Control



June 9-10-11 2008, IMB
 Bordeaux, France

Sponsors



Faculty of sport sciences
University Victor Segalen Bordeaux 2
Avenue Camille Jullian
3607 Pessac cedex
E-mail : alt2008@sm.u-bordeaux2.fr
<http://www.u-bordeaux2.fr/alt2008/>



Reception and registration	
9h to 10h40	MONDAY
Presentation ALT2008	
10h-40 to 12h20	Opening Lecture K.SUZUKI and Md. M.ALAM Estimation of lifetime distribution using warranty data consisting only of failure information
	Keynote C.Huber Semi-parametric Efficiency for Interval Censored and Truncated Data
Lunch	
14h to 16h	Invited speaker W.Meeker Accelerated Destructive Degradation Test Planning
	Invited speaker J.F. Dupuy Transformation models for failure time data: an overview of some recent developments
	Invited speaker H.Liero Nonparametric estimation and testing of the regression function in ALT models
Coffee Break	
Parallel Session 1	
Statistical analysis of reliability of a redundant system with one operating unit and one stand-by unit in warm operating state	
16h20 to 18h	ALT Session M.Nikbin Design for Multiple-variable Step Stress Accelerated Life Tests P. Lanteri and A. Bignonnet Optimization of an accelerated step-stress fatigue A. Niewczas , T. Bachanek , J. Hrnaciz , A. Niewczas , D. Pieniak Laboratory method of accelerated evaluation of fatigue failures in teeth treated conservatively
Parallel session 2	
Tutorial on Reliability Software P. Khan (in french)	



9h to 10h20	Invited speaker Y. Zhu and E. A. Elsayed Design of Equivalent Accelerated Life Testing Plans with Nonparametric Regression Models
	Invited speaker V. Solev Minimum distance estimators and some reliability problems
Coffee Break	
Parallel session 3	
Comparison of methods to estimate the time-to-failure distribution in degradation tests: a simulation study	
10h-40 to 12h20	Reliability Session 1 M. A. Freitas , M. L. G. de Toledo On the Parametric Degradation Model With Multiple Failure Modes F. Haghighi , N. Nazari rad , N. Noorae Application of Mixed Integer Linear Programming (MILP) in Developing an Integrated Production Test and Field Reliability Cost Model B. Honari , J. Khan Statistical Estimation for a Reliability Model Based on Shot-Noise Processes in a Case of Small Samples H. Froshina , M. Frodin
Lunch	
14h to 16h	Invited speaker R. Viertl , TU Wien Bayesian Methods and Fuzzy Information in ALT
	Invited speaker V. Bagdonavicius , R. Leventure , M. Nikbin Testing absence of hazard rates crossing
	Invited speaker A.V. Antonov , V.A. Chepurko The account of ageing effect in operation of the equipment at the stage of nuclear power plant reliability and safety analysis
Coffee Break	
Parallel session 5	
On testing simple and composite goodness-of-fit hypotheses when data are censored	
16h20 to 18h20	Statistical Methods Session E.V. Chmitova , B. Yu. Lemeslko A wavelet estimator of the intensity function with censored data J.F. Dupuy , K. E. Gueyou Goodness of fit test for the logistic distribution based on the modified greenwood statistic S. Golati and S. Shapiro On Approximate Likelihood in Survival Models H. Lauer Analyse of breaks in non-regularly load shunting system A. Linka , M. Tunk , and P. Volf
Parallel session 6 (in english)	
Tutorial on ALTA-Relasoft software V. Coualler and L. Denis (10 available places)	
Conference diner	
20h00	
TUESDAY	



9h to 10h20	Invited speaker B. Yu. Lemeslko and S.B. Lemeslko Construction of statistic distribution models for nonparametric goodness-of-fit tests in testing composite hypotheses: the computer approach
	Invited speaker S. Voiculescu , F. Guerin Bayesian inference with MAP approach in ALT model
Coffee Break	
Parallel Session 7	
Reliability demonstration tests for a small sample size population	
10h40 to 12h20	Reliability Session 2 H. Ahmed , AlChateanaouf A method of automotive engine life forecasting on the basis of laboratory start-ups test G. Koszalka , A. Niewczas , P. Kordos Performance evaluation of IP networks with differentiated services S. Adjabi , K. Adel-Aissani and A. Laouar
Parallel session 8	
Tutorial on FIDES Lavent Multidimensional AR(1) Processes Estimation of Dynamical Systems Perturbed by Semi-Markov Processes with Application to Structural Reliability	
14h to 16h	Invited speaker M. Mesbah Latent Multidimensional AR(1) Processes
	Closing Lecture J. Chiquet , N. Limnios Estimation of Dynamical Systems Perturbed by Semi-Markov Processes with Application to Structural Reliability
Lunch	
Coffee Break and closure of the conference	
WEDNESDAY	