

Registration	Tuesday 7pm-8pm
	Wednesday 8am-9am

Wednesday 4	Morning			
	9:00-9:45	9:45-10:45	10:45-11:15	11:15-1:15pm
	Opening Ceremony	N. Balakrishnan	Coffee Break	Session 1
	Afternoon			
	2:45-4:45	4:45-5:15	5:15-6:15	
	Session 2	Coffee Break	M. Giorgio	
Thursday 5	Morning			
	8:30-9:30	9:30-10:30	10:30-11:00	11:00-1:00pm
	N. Rezg	Session 3	Coffee Break	Session 4
Friday 6	Morning			
	8:30-10:30	10:30-11:00	11:00-12:00	12:00-1:00pm
	Session 5	Coffee Break	Invited Session	M. Fouladirad

Plenary Sessions

- *Wed. 4th, 9:45am.*
 - *Speaker.* N. Balakrishnan,
 - *Title.* First Passage Time of Degradation Process.
 - *Chairman.* J.Y. Dauxois
- *Wed. 4th, 5:15pm.*
 - *Speaker.* M. Giorgio,
 - *Title.* Some extensions of the Gamma Degradation Process
 - *Chairman.* M. Fouladirad
- *Thu. 5th, 8:30am.*
 - *Speaker.* N. Rezg,
 - *Title.* Joint Optimization of Production and Maintenance Planning With an Ecological Impact Study based on Carbon Tax
 - *Chairman.* N. Balakrishnan
- *Fri. 6th, 12:00am.*
 - *Speaker.* M. Fouladirad,
 - *Title.* Prognostic and deterioration models
 - *Chairman.* S. Gasmi

Invited Session, Fri. 6th, 11:00am. Chair. M. Giorgio

- 11:00. N. Azaiez, Modeling constant attack rate processes in the presence of intelligent threats using game theory.
- 11:30. C. Paroissin, Statistical inference and GoF test for (homogeneous) gamma process

Contributed Session 1, Wed. 4th, 11:15am. Degradation Models and Preventive Maintenance. Chair. C. Paroissin

- 11:15. Z. Al Masry. Operating approach for fleet of systems subjected to predictive maintenance
- 11:45. W. Kahle. The Influence of Incomplete Preventive Maintenance to Degradation Processes
- 12:15. M.H. Moulahi. Gamma process based degradation growth model on reliability of bearing in motor pump
- 12:45. L.Tlili, Imperfect maintenance strategy for systems generating environmental damage.

Contributed Session 2, Wed. 4th, 2:45pm. Preventive Maintenance Optimization. Chair. O. Gaudoin

- 2:45. N. Tamura. An optimal maintenance policy for a Semi-Markovian deteriorating system with major and minor failures.
- 3:15. M. Ben Mechlia, Integrated maintenance policy for transportation system according to a supply chain
- 3:45. M. Radhoui, Integrated maintenance strategy and vehicle routing problem with time window
- 4:15. I. Terfas. Unreliable retrieval queues with two types of customers and Bernoulli delays.

Contributed Session 3, Thu. 5th, 9:30am. Fault Analysis. Chair. S. Gasmi

- 9:30. J. Boudnaya, Level crossing failure scenarios using imprecise event tree
- 10:00. A. Ismail, A novel Back-to-back converter fault detection method using DC-link voltage signature: application to WES

Contributed Session 4, Thu. 5th, 11:00am. Component and System Reliability. Chair. W. Kahle

- 11:00. F. Pellerey, An hazard rate order for dependent random lifetimes.
- 11:30. N. Mannai, Optimal system reliability design of k-out-of-n systems under random replacement policies
- 12:00. F.Z. Megraoui, Reliability Bounds of Dependent Linear Consecutive k-out-of-n: G systems

- 12:30. W. You. A new strategy for structural reliability prediction

Contributed Session 5, Fri. 6th, 08:30am. Parametric Models in Lifetime Data Analysis.
Chair. J.Y Dauxois.

- 08:30. O. Gaudoin, Review and comparative study of Goodness-of-Fit tests for the Weibull and Extreme Value distributions
- 09:00. A. Nasr, Statistical inference for the Exponentiated inverse flexible Weibull extension distribution based on type I censored data
- 09:30. R. Loukil, Statistical Inference for some imperfect maintenance models with time dependent repair effectiveness
- 10:00. T. Hamdeni, Parameter Estimation Of Generalized Gompertz Distribution Under Type I Censoring.