Modelling and assessment of aging and maintenance efficiency

Professor Olivier Gaudoin
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Date: 11 May, 2012 (Fri)
Time: 10:30am - 11:30am (Tea reception at 10:15am)
Venue: Classroom Y5-305 of AC1

Abstract

The talk is dedicated to the joint assessment of ageing and maintenance efficiency, for complex repairable systems. Both corrective and planned preventive maintenance actions are considered. Maintenance effect is taken into account through virtual age models. The model parameters are estimated by the maximum likelihood method. An application to real data is presented with the software MARS, developed by Grenoble University and EDF.

About the Speaker

Olivier Gaudoin is a Professor at Grenoble University, France, where he teaches probability, statistics, and reliability. His research interests are probabilistic modelling and statistical analysis for the reliability of complex systems, including ageing and maintenance modelling, competing risks, software reliability, and random processes in reliability. He has published numerous papers in journals like IEEE Trans on Reliability, Journal of Applied Probability, Communications in Statistics, Journal of Statistical Planning and
Inference, Reliability Engineering and System Safety etc. Currently he is the PI for Project FIMA: Stochastic Models for System Reliability and Maintenance.

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*All are welcome!*