



ISTITUTO MOTORI
Consiglio Nazionale delle Ricerche

Venerdì 20 luglio 2012

alle ore 15:00

presso l'Istituto Motori (CNR) via Marconi, 8

Sala Riunioni II piano

il prof. Ji Hwan Cha

**del Department of Statistics, Ewha Womans University
Seoul 120-750, KOREA**

terrà un seminario sul seguente argomento:

**Stochastic Analysis of Preventive Maintenance in
Heterogeneous Populations**

Tutti gli interessati sono invitati a partecipare.

Abstract: Many different types of preventive maintenance policies have been defined in the literature and implemented in reliability practice. However, almost all models, procedures and approaches deal only with the case when items come from homogeneous populations. In this paper, we analyze the effect of preventive maintenance on reliability characteristics of items selected from heterogeneous populations, which is often the case in practice. We discuss a general definition of the conditional failure rate and apply it for describing reliability of 'heterogeneous items' under preventive maintenance. Two models for the conditional failure rate are defined and compared. Simple, but meaningful examples, illustrating the developed approach are considered.

Gianpaolo Pulcini

