Mathematical Methods in Reliability/Survival Research

Friday 30th May 2014

JC128, John Crank Building, Brunel University

Probability Distributions and Statistical Models for Reliability and Survival Analysis

Programme

1000-1025   Coffee/tea

1025-1030   Brief Introduction by Dr Keming Yu

1030-1110   Distribution on $\mathbb{R}^+$: shape parameters and transformation
            Professor Chris Jones (The Open University)

1110-1140   A time-varying shared frailty model with application to infectious diseases
            Dr Doyo Gragn Enki (University of Plymouth)

1140-1150   Discussion and tea break

1150-1220   Bivariate censored and truncated variables using Cox models
            Dr Hongsheng Dai (Essex University)

1220-1250   Density regression with application in lifetime data analysis
            Dr Keming Yu (Brunel University)

1250-1340   Buffet Lunch and discussion

1340-1420   Statistical issues in Phase II studies in Emergency Medicine
            Dr Jane Warwick (Intensive Care Units, Imperial College, London)

1420-1500   Dirichlet process Bayesian clustering of survival response
            Dr Silvia Liverani (Imperial College and Brunel University, London)

1500-1510   Discussion and tea break

1510-1550   Semi-parametric predictive inference for bivariate data using copulas
            Professor Frank Coolen (Durham University)

1550-1600   Discussion and brief summary