

Technological Educational Institute of Athens
Department of Mathematics

ICCRA3

3d International Conference on Cancer Risk Assessment

Porto Heli, July 16-18, 2009, Greece

PROGRAM

 **Thursday, 16 July 2009**

15⁰⁰ - 18⁰⁰ **Registration**

SESSION I: GENERAL ASPECTS

Chairman: **Prof. Tsuyoshi Nakamura**

18⁰⁰ - 18¹⁰ **Welcome (C. P. Kitsos)**

18¹⁰ - 18⁴⁰ **Welcome Note: Lutz Edler**
(Head of the ISI - Committee of Risk Assessment)
On the Current Status and the Current Challenges
of Statistical Methodology for Risk Analysis

18⁴⁰ - 19⁰⁰ **Christos P. Kitsos, Megaklis Sotiropoulos**
Statistical and conceptual distance methods for bioassays.

19⁰⁰ - 19³⁰

Marek Kimmel

Models of lung cancer progression in view of recent data

19²⁰ - 19⁴⁰

J. Filus

“Micro-Damages versus Micro-Probability Changes” Phenomena as Pattern Generating Stochastic Dependences with Reliability and Bio-Medical Applications.



Friday, 17 July 2009

SESSION II: STATISTICAL METHODS

Chair: **Prof. Chrys Caroni**

10⁰⁰ - 10²⁰

G. Rigas and V. G. Vassiliadis

A non-parametric test based cumulative periodograms for comparing two neural spike trains.

10²⁰ - 10⁴⁰

John J. Peterson

Nonlinear blending: a general alternative to dosewise additivity for assessing combination drug studies in oncology.

10⁴⁰ - 11⁰⁰

P. Economou

Using mixtures of frailties to model survival data.

SESSION III: DATA ANALYSIS

Chairman: **Prof. Malgorzata Cwiklinska-Jurkowska**

12⁰⁰ - 12²⁰

Lutz Edler

Modelling for microbial risk assessment.

12²⁰ - 12⁴⁰

Vonta, F., Mattheou, K., Karagrigoriou, A. and Neophytou, P.

Multivariate statistical analysis for the incidence of HPV-infection in Cypriot male population.

- 12⁴⁰ – 13⁰⁰** **Malgorzata Cwiklinska-Jurkowska**
 Visualization of discriminant methods for type leukaemia recognition.
- 13⁰⁰ – 13²⁰** **Chrys Caroni**
 Some tests for quality of follow-up in lifetime data analysis.
- 13²⁰ – 13⁴⁰** **Yannis Hatzikian, Dimitra Kitsou**
 The Liaison Office of TEI Athens activities on pollution problems in West Attica.

SESSION IV: RISK ASSESSMENT

Chairman: Prof. Alex Rigas

- 16⁰⁰ – 16²⁰** **Yushi Yoshida , Syuntaro Sato, Toshihiro Takatsuji, Tsuyoshi Nakamura**
 Statistical inference on Two-Stage Clonal Expansion Model.
- 16²⁰ – 16⁴⁰** **Chalkias, M., Kitsos, C. P., Bernal, B.**
 Cluster analysis and statistical methods on thyroid's cancer data set.
- 16⁴⁰ – 17⁰⁰** **Noriko Ishida, Shinichiro Ichimaru, Ayumi Hida, Midori Soda, Masazumi Akahoshi, Tsuyoshi Nakamura**
 Transportability of a regression model.
- 17⁰⁰ – 17²⁰** **Angelopoulou Roxani, Almpani Eleni, Korakaki Anna, Likothanassis Spiridon**
 Sperm DNA fragmentation and male infertility: An attempt to quantify with a computational intelligence-based system.
- 17²⁰ – 17⁴⁰** **Stefan Giebel, Jens Peter Schenk, J. Schlitz to the**
 Statistical shape analysis. Application to the classification of renal tumors appearing in early childhood.
- 17⁴⁰ – 18⁰⁰** **C. P. Kitsos, N. K. Tavoularis, T. Toulas, G. Lolas**
 Statistical approaches for modelling cancer bioassay.

18⁰⁰ – 18²⁰

Christoph Minder

On Estimating the Fisher Information Matrix in Nonlinear Regression Models.

18²⁰ – 18⁴⁰

J. Filus, L. Filus and M. Stehlik

Pseudoexponential modelling of cancer diagnostic: testing, estimation and design.

 **Saturday, 18 July 2009**

SESSION V: MODELLING

Chairman: **Prof. Marek Kimmel**

09⁰⁰ – 09²⁰

Małgorzata Ćwiklińska-Jurkowska, Tomasz Burzykowski, Magdalena Wietlicka-Piszc

Classification of genotoxic and nongenotoxic carcinogen chemical compounds by using microarray data.

09²⁰ – 09⁴⁰

V. G. Vassiliadis and A. G. Rigas

A new formulation of the hinich's bispectral test for linearity based on a novel Q-Q plot for testing distributional hypotheses.

09⁴⁰ – 10²⁰

Marek Kimmel

Reconstruction of a missing control arm in a lung cancer screening trial.

10⁵⁰ – 11¹⁰

G. Lolas and M.A.J Chaplain

Tumour Invasion and Metastasis: A Mathematical Approach

11¹⁰ - 11³⁰

J. Amaral Mendez

Biological effects of low-level exposure to ionizing radiation, health

SESSION VI: PUBLICATION ISSUES UND ICRA MEETINGS

Chairman: Prof. C.P. Kitsos

- 12.20 - 13.50 **Lutz Edler:** Summarizing the work with a book.
- 13.50 - 14.20 **C. P. Kitsos/ A. Karagrigoriou:**
The next meeting. Closing

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