

# 2007 International Workshop on Computational Forensics

## Final program on August 31, 2007

09:15 - 09:30      *Welcome*

### **Session: Information Retrieval**

09:30 - 10:00      Shoeprint Image Retrieval Based on Local Image Features. Hongjiang Su  
10:00 - 10:30      Application of Language Models to Suspect Prioritisation and Suspect.  
Likelihood in Serial Crimes. Richard Bache, Fabio Crestani,  
David Canter and Donna Youngs

10:30 - 11:00      *Coffee break*

### **Session: Digital Forensics**

11:00 - 11:30      Statistical Disk Cluster Classification for File Carving.  
Cor J. Veenman  
11:30 - 12:00      Improving the Efficiency of Digital Forensic Search by Means of the  
Constrained Edit Distance. Slobodan Petrovic and Katrin Franke  
12:00 - 12:30      On Periodic Properties of Interpolation and Their Application To Image  
Authentication. Babak Mahdian and Stanislav Saic

12:30 - 13:30      *Lunch break*

### **Session: Human Identification**

13:30 - 14:00      Generative Models for Fingerprint Individuality using Ridge Types.  
Gang Fang, Sargur N. Srihari, Harish Srinivasan, Vinu Chandar Krishnaswamy  
14:00 - 14:30      Craniofacial Superimposition in Forensic Identification using Genetic  
Algorithms. Lucia Ballerini, Oscar Cordon, Sergio Damas, Jose Santamaria,  
Inmaculada Aleman and Miguel Botella  
14:30 - 15:00      Study of structural features of handwritten grapheme 'th' for writer identification.  
Vladimir Pervouchine and Graham Leedham  
15:00 - 15:30      The Influence of Frame Length on Speaker Identification Performance.  
Donato Impedovo and Mario Refice

15:30 - 16:00      *Tee time*

### **Session: Computational Forensics**

16:00 - 16:30      Information-theoretical comparison of likelihood ratio methods of forensic  
evidence evaluation. Daniel Ramos, Joaquin Gonzalez-Rodriguez,  
Grzegorz Zadora, Janina Zieba-Palus and Colin Aitken  
16:30 - 17:30      **Round Table Discussion**  
Computational Forensics: Towards Hybrid-Intelligent Crime Investigation?!

17:30 - 17:45      *Closing*