



# IWCF 2010

November 11-12, 2010

# Tokyo, Japan



Sponsored by the IAPR



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## 4<sup>th</sup> International Workshop on Computational Forensics

Tokyo, Japan, November 11-12, 2010

Following three workshops in Manchester (UK), Washington D.C. (USA) and The Hague (Netherlands), the fourth annual workshop on computational forensics will be held in conjunction with the 16th Annual Scientific Meeting of the Japanese Association of Forensic Science and Technology (JAFST), November 11-12, 2010, Tokyo, Japan.

### Workshop co-chairs

Hiroshi Sako (Japan)  
Katrin Franke (Norway)  
Shuji Saitoh (Japan)

### Local arrangement

**Chair:** Yoko Seki (Japan)  
Yoshinori Akao (Japan)  
Takashi Watanabe (Japan)

### Program committee

Andre Arnes (Norway)  
Lashon Booker (USA)  
Thomas Breuel (Germany)  
Oscar Cordon (Spain)  
Patrick De Smet (Belgium)  
Cynthia Freitas (Brazil)  
Lawrence Hornak (USA)  
Anil Jain (USA)  
Slobodan Petrovic (Norway)  
Reva Schwartz (USA)  
Christopher Solomon (UK)  
Sargur Srihari (USA)  
Chew Lim Tan (Singapore)  
Dirk Vandermeulen (Belgium)  
Cor Veenman (The Netherlands)  
Marcel Worring (The Netherlands)

(as of September 12, 2009)

### Important days

June 25, 2010	Submission deadline
July 30, 2010	Acceptance notification
Aug. 13, 2010	Camera-ready paper
Aug. 13, 2010	Author-registration
Nov. 11-12, 2010	Workshop

### Inquiries

Email: [iwcf10@arsforensica.org](mailto:iwcf10@arsforensica.org)

### Preliminary call for papers

Computational Forensics is the research field in the joint arena of computer science and forensics. Research in this area is dedicated to the development and validation of computational applications for forensic problems and to the support of various forensic processes from investigation to evidence evaluation.

The workshop addresses a broad spectrum of forensic disciplines that apply computational methods as statistical pattern recognition, modeling and simulation. These disciplines include pathology, biology, drugs, ballistics, and anthropology among others. Subjects of study range from tool marks, shoeprints, questioned documents, physiological and behavioral patterns, to the reconstruction of crime scenes and body parts.

IWCF 2010 invites authors to submit their original and unpublished work in all area of computational forensics.

### Topics

The topics of interest for submission include, but are not limited to:

**Algorithms:** Filtering, Image and data representation, Image registration, Super resolution, Feature extraction, Data mining, Search techniques, Machine learning and statistical data analysis, Fuzzy logic, Evolutionary algorithms, Fusion and ensemble learning, etc.

**Applications:** Anthropology, Ballistics, Biology, Fiber analysis, Fire debris, Pathology, Physiological and behavioral patterns, Prints, Questioned documents, Ridge skin impressions, Tire impressions, Tool marks, Trace, Shoeprints, Vehicles, etc.

### Paper submissions

Papers should be original and contain contributions of theoretical, experimental or application nature, or be unique experience reports. Manuscripts have to be prepared in English in accordance with the Springer LNCS format guidelines. The maximum number of pages is 12.

Electronic submissions received via the workshop site until June 25, 2010, will be evaluated for originality, significance, clarity, and soundness by at least three independent experts. Acceptance will be notified to the author until July 30, 2010.

Detailed information will appear at the following site soon.

<http://iwcf10.arsforensica.org>