

# CALL FOR PAPERS

## The First International Workshop on Information Hiding and its Criteria for evaluation (IWIHC2014)

June 3, 2014, Kyoto, Japan

<http://www.ieice.org/iss/emm/ihc/en/iwihc2014/>

To be held in conjunction with the 9th ACM Symposium on Information,  
Computer and Communications Security (ASIACCS 2014)

Copyright protection has become an important issue due to the growing amount of illegal content being distributed all over the world. The IHC (Information Hiding and its Criteria for evaluation (<http://www.ieice.org/iss/emm/ihc/en/>) Committee is working to improve this situation through the use of watermark technologies. In particular, it aims to help develop standard evaluation criteria and to sponsor watermark competitions based on these criteria to promote the development of protection measures for the content industry. The evaluation criteria will be revised in accordance with the advances in watermarking technology, the needs of the content industry, and the practicality of the competition.

This workshop is the first in the world to combine advanced research themes in the techniques and algorithms for information hiding based on the common criteria for evaluation. With the common evaluation criteria for information hiding, each proposed technique or algorithm is fairly compared with other ones, which is clearly beneficial not only for academia but also for industry. The workshop will provide an international forum for researchers, academicians, and practitioners in the field of fundamental tools and applications using information hiding for images, videos, audios, and texts to present their latest results in these areas.

The proceedings will be published by ACM Press and appear in ACM digital library (as with the ACM ASIACCS2014).

### **Important dates:**

21 February 2014 (Extended)	Paper submission deadline
17 March 2014	Notification of acceptance
8 April 2014	Camera-ready copy due
3 June 2014	Workshop

### **Scope and Topics**

#### **Track A: Watermark Competition**

The IHC evaluation criteria ([http://www.ieice.org/iss/emm/ihc/IHC\\_criteriaVer3.pdf](http://www.ieice.org/iss/emm/ihc/IHC_criteriaVer3.pdf)) for robust watermarking involves three documents categorized by digital contents such as

- Image
- Video
- Audio

We encourage researchers to submit papers that highlight the techniques and algorithms for robust watermark based on the common criteria. The papers should involves the data evaluated on the basis of the IHC evaluation criteria (please see “Information Required for Submission” in the IHC evaluation criteria for detail). Among the schemes satisfying the criteria, we will select some schemes getting high robustness and high quality.

**Track B:** We do not restrict to the above topic. Papers addressing issues of secure multimedia watermarking, fingerprinting and identification are welcomed. Theoretical and practical coverage of the following topics will be considered. Topics of interest for the workshop include but are not limited to:

- Mathematical modeling of embedding and detection of information hiding
- Information theoretic, stochastic aspects of information hiding
- Combination of information hiding and cryptography
- Copyright protection, DRM, and forensic watermarking & fingerprinting
- Emerging applications of information hiding
- Multimedia security
- Steganography and steganalysis

**Paper Submissions:** Submissions must be written in English, and must be at most 10 pages excluding the bibliography and well-marked appendices, and at most 12 pages overall. Committee members are not required to read appendices, so the paper should be intelligible without them. Submissions must be in double-column ACM SIG Proceedings format (<http://www.acm.org/sigs/publications/proceedings-templates>, both Option 1 and Option 2 on the page are fine) with page numbers. No changes to margins, spacing, or font sizes are allowed from those specified by the style file. We reserve the right to request the source files for a submission to verify compliance with this requirement. Only PDF files will be accepted.

Submissions for Track A must involve the data evaluated on the basis of the IHC evaluation criteria (please see “Information Required for Submission” in the IHC evaluation criteria for detail ([http://www.ieice.org/iss/emm/ihc/IHC\\_criteriaVer3.pdf](http://www.ieice.org/iss/emm/ihc/IHC_criteriaVer3.pdf))).

Submissions for Track B must be anonymized. An author's name should occur only in references to that author's related work, which should be referenced in the third person and not overtly distinguishable from the referenced work of others.

Submitted papers must not substantially overlap papers that have been published or that are simultaneously submitted to a journal, conference or workshop. Simultaneous submission of the same work is not allowed. Only one exception of overlapping is allowed for Track A if the authors' previous works are referred in their submissions. Authors of accepted papers must guarantee that their papers will be presented at the conference. Camera-ready version must be no longer than 10 pages in ACM's standard double-column format.

### **General Co-Chairs:**

Keiichi Iwamura	Tokyo University of Science, Japan
Ki-Ryong Kwon	Pukyong National University, Korea

### **Program Co-Chairs:**

Seiichi Gohshi	Kogakuin University, Japan
Minoru Kuribayashi	Kobe University, Japan

### **Web and Publicity Chairs:**

Hyunho Kang	Tokyo University of Science, Japan
Motoi Iwata	Osaka Prefecture University, Japan

## **Program Committee:**

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Kotaro Sonoda	Nagasaki University, Japan
Youichi Takashima	NTT Service Evolution Labs., Japan
Masashi Unoki	JAIST, Japan
Andreas Westfeld	HTW Dresden, Germany
Sven Wohlgenuth	CASED/Technical University Darmstadt, Germany
KokSheik Wong	University of Malaya, Malaysia
Shijun Xiang	Jinan University, China

## **What is IHC ?**

IHC means Information Hiding and its Criteria for evaluation committee. IHC's activities are (1) Develop criteria for evaluating robust watermarking schemes, (2) Disclose these criteria, and call for schemes that meet them, (3) Evaluate schemes on the basis of the criteria and identify those that meet them, (4) Call for attacks on the identified schemes, and (5) Evaluate the effectiveness of the attacks. For more details, please visit our site.

<http://www.ieice.org/iss/emm/ihc/en/>