

## 16th International Workshop on Digital Forensics and Watermarking (IWDW2017)

August 23rd - 25th, 2017  
Magdeburg, Germany



### Introduction:

The 16th International Workshop on Digital-forensics and Watermarking (IWDW 2017) is a premier forum for researchers and practitioners working on novel research, development and applications of digital watermarking and forensics techniques for multimedia security.

We invite submissions of high-quality original research papers. A prize is awarded for the best paper. The proceedings of IWDW 2017 will be published as Lecture Notes in Computer Science (LNCS) by Springer.

### Location & Venue:

This year, IWDW will be held at the premises of the Otto-von-Guericke University of [Magdeburg, Germany](#). Magdeburg is not only the hometown of the famous 17th century hemispheres experiment, but also a modern day German state capital with good connections to the international airports in Berlin, Hanover and Leipzig.

**Website:** [IWDW2017.cs.ovgu.de](http://IWDW2017.cs.ovgu.de)  
**Contact:** [iwdw2017@ovgu.de](mailto:iwdw2017@ovgu.de)

### Areas of Interest:

The topics include, but not limited to:

- Authentication, Copyright protection, DRM, and forensic watermarking
- Channel coding techniques for watermarking
- Convolutional neural networks (CNN) and deep learning
- Combination of data hiding and cryptography
- Digital image and media forensics and anti-forensics
- Document Security
- Information theoretic, stochastic and capacity aspects of data hiding
- Large-scale experimental tests and benchmarking
- Media forensics use-cases, methodologies and tools
- Statistical and perceptual models of multimedia content
- Reversible data hiding
- Robust perceptual hashing
- Security issues, including attacks and counter-attacks
- Steganography and steganalysis
- Source identification
- Visual cryptography and secret image sharing
- Special Session: “Emerging threats of Criminal Use of Information Hiding: Usage Scenarios and Detection Approaches” organised by the Criminal Use of Information Hiding (CUIng) initiative
- Special Session: “Biometric image tampering detection” organised by Dr. Andrey Makrushin and Dr. Andreas Wolf

### Instructions to authors:

Submissions must be in English and made as a PDF file of no more than 15 pages. Templates are available at: <http://www.springer.de/comp/lncs/authors.html>

Submissions will be refereed by at least two reviewers. **To be included to the proceedings, at least one author of each paper has to register and present the paper.**

The submission will be done via the EasyChair system: <https://easychair.org/conferences/?conf=iwdw2017>



### Important Dates:

[Paper Submissions Deadline: May 3rd, 2017](#)  
Notification of Paper Acceptance: May 30th, 2017  
Camera-Ready Paper Due: June 14th, 2017

### Special sessions:

The session “**Emerging threats of Criminal Use of Information Hiding: Usage Scenarios and Detection Approaches**” is organized jointly with the Europol EC3 initiative CUING (Criminal Use of Information Hiding) and aims to bring together academic and law-enforcement related research, including outlooks, on the application of steganography, covert channels, watermarking and other forms of information hiding in the context of cybercrime.

The special session “**Biometric image tampering detection**” is addressing the challenging task of blind validation of biometric image authenticity. The word ‘blind’ points to the fact that no more information, except for the digital image, is provided for the analysis. A biometric image is considered to be authentic if it has undergone no or only legitimate image editing, which includes in-plane rotation, scaling and cropping. Other image editing operations are considered to be illegitimate. Detection of traces of illegitimate image editing and distinguishing them from traces of legitimate image editing is the major concern of this session. The topic is motivated by the fact that digital photographs have been recently actively used in machine readable documents for the purpose of biometric identity verification invoking the risk of criminal intent to overcome recognition systems by manipulating those images.

### Committees:

- **General Chairs:** Jana Dittmann, Christian Kraetzer (Otto-von-Guericke University Magdeburg, Germany)
- **Technical Program Chairs:** Yun Q. Shi (New Jersey Institute of Technology (NJIT), USA), Hyoung Joong Kim (Korea University, Korea)
- **Organising Chairs:** Silke Reifgerste (Otto-von-Guericke University Magdeburg, Germany)
- **Technical Programme Committee:** For the complete list of TPC members, see: [IWDW2017.cs.ovgu.de](http://IWDW2017.cs.ovgu.de)