Tenth ACM DRM Workshop

October 4, 2010 • Chicago, IL, USA

(co-located with ACM-CCS 2010)

Program chairs

Hongxia Jin
Marc Joye

Program committee

Alapan Arnab
Ingemar Cox
Jean-Bernard Fischer
Gregory Heileman
Bill Horne
Aggelos Kiayias
Brian LaMacchia
Fernando Pérez-Gonzàlez
Milan Petkovic
Rei Safavi-Naini
Xin Wang
Bin Zhu

General chair

Ehab Al-Shaer

(also General chair for ACM-CCS 2010)

Steering committee

Aggelos Kiayias
Rei Safavi-Naini
Moti Yung

The ACM Workshop on Digital Rights Management is an international forum that serves as an interdisplinary bridge between areas that can be applied to solving the problem of Intellectual Property protection of digital content. These include: cryptography, software and computer systems design, trusted computing, information and signal processing, intellectual property law, policy-making, as well as business analysis and economics. Its purpose is to bring together researchers from the above fields for a full day of formal talks and informal discussions, covering new results that will spur new investigations regarding the foundations and practices of DRM.

http://www.thlab.net/drm2010/

Technical Program

07:30 - 08:30	Continental breakfast
08:30 - 08:35	Opening remarks

Keynote Talk I

08:35 - 09:30	The Privacy of Tracing Traitors *Moni Naor*

Session 1 – Fingerprinting

09:30 - 10:00	Robust Fingerprinting Codes: a Near Optimal Construction *Dan Boneh, Aggelos Kiayias, and Hart Montgomery*
10:00 - 10:30	Morning break (3rd level hallway)

Session 2 – Cryptography & Applications

10:30 - 11:00	An Efficient Public-Key Attribute-based Broadcast Encryption Scheme Allowing Arbitrary Access Policies *Pascal Junod and Alexandre Karlov*
11:00 - 11:30	A New Chameleon Encryption Scheme Resistant to Known-plaintext Attack *Ee-Chien Chang, Chengfang Fang, and Jia Xu*
11:30 - 12:00	A General Model for Hiding Control Flow *Jan Cappaert and Bart Preneel*
12:00 - 13:30	Lunch (Crystal C)

Keynote Talk II

13:35 - 14:30	Is the Internet a Foe or a Friend to Theatrical Releases and the Motion Picture Industry *Warren Lieberfarb*

Session 3 – Short Papers

14:30 - 14:50	Secure Cross-Domain Data Sharing Architecture for Crisis Management *Vaibhav Gowadia, Enrico Scalavino, Emil Lupu, Dmitry Starostin, and Alexey Orlov*
14:50 - 15:10	New Construction of Identity-based Proxy Re-encryption *Song Luo, Jianbin Hu, and Zhong Chen*
15:10 - 15:30	An Introduction to Interoperable Digital Rights Locker *Eric Diehl and Arnaud Robert*
15:30 - 16:00	Afternoon break (3rd level hallway)

Session 4 – Rights Management

16:00 - 16:30	Using Digital Rights Management for Securing Data in a Medical Research Environment *Mohammad Jafari, Rei Safavi-Naini, Chad Saunders, and Nicholas Sheppard*
16:30 - 17:00	An Analysis of Interoperability between Licenses *Kunihiko Fujita and Yasuyuki Tsukada*
17:00 - 17:30	An Interoperable Usage Management Framework *Pramod Jamkhedkar, Gregory Heileman, and Chris Lamb*
17:30 - 17:35	Closing remarks and Farewell