

"Secret Sharing and Cloud Computing", One Day Workshop

June 7, 2011 10:00 - 20:00

Room 111, Institute of Mathematics for Industry (IMI)
Kyushu University, Ito Campus

Organizers: Kirill Morozov (IMI), Tsuyoshi Takagi (IMI)

Web page: <http://imi.kyushu-u.ac.jp/~morozov/sscc2011.html>

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○ 10:00-10:10 **Opening**

○ 10:10-12:00 **Tutorials**

Introduction to Secret Sharing

Kirill Morozov (Kyushu University)

Cryptographic Techniques for Cloud Computing

Takashi Nishide (Kyushu University)

○ 13:30-14:30 **Plenary talk**

Secure Multiparty Computation for Cloud Computing

Yvo Desmedt (University College London, UK)

○ 14:40-16:25 **Invited talks I**

Business Requirements for Applying Secret Sharing Schemes to Cloud Computing

Yuji Suga (Internet Initiative Japan)

Efficient Secret Sharing Schemes Secure against Cheating

Satoshi Obana, NEC

An XOR-based High-Speed Secret Sharing

Jun Kurihara (KDDI)

○ 16:40-17:50 **Invited talks II**

On d -Multiplicative Non-perfect Secret Sharing

Maki Yoshida (Osaka University)

Rational Secret Sharing with Constant-Round Reconstruction

Kenji Yasunaga (Tokyo Institute of Technology)

○ 17:50-18:00 **Closing of the public sessions**

○ 18:00-20:00 **Discussion (internal)**

