

# Wednesday 1<sup>st</sup>

Venue: Keio University, Mita Campus, G-Sec Lab

08:30 *Opening of Registration*

**09:00 – 09:15** Welcome Address  
Jun Murai, Keio University  
Claude Kirchner, Inria  
Koji Nakao, NICT

**Session 1** *Cryptography / Chairman : Jun Murai*

**09:15 – 09:40** Cryptographic Key Management for IoT/M2M/CPS  
Kazukuni Kobara, AIST

**09:40 – 10:05** Cryptography for Cybersecurity: Trends and Challenges  
Phong Nguyen, Inria

**10:05 – 10:30** A new progressive BKZ algorithm and practical hardness estimation for lattice problems  
Yoshinori Aono, NICT

**10:30 – 10:55** Improved Algorithms for the Binary LWE Problem  
Pierre-Alain Fouque, Université de Rennes

10:55 – 11:15 Coffee Break & Group Photo

**Session 2** *Formal Methods & Verification and Connected Services Issues / Chairman : Mitsuhiro Okada*

**11:15 – 11:40** Overview of JSPS Security Study Group and Issues in Secure Connected Services for IoT  
Hideyuki Tokuda, Keio University

**11:40 – 12:05** The Future Evolution Internet of Things & Cyber Security  
Henry Ng, THALES e-Security APAC

**12:05 – 12:30** Recent trend of formal verification and activities of NICT  
Maki Yoshida, NICT

**12:30 – 12:55** Formal Proofs of Security against Arbitrary Attackers  
Gergei Bana, Inria

12:55 – 14:00 Lunch Break

**14:00 – 15:00**

**Bus Trip to NICT**

**15:00 – 15:10**

**Welcome: Prof Sakauchi, President of NICT**

**15:10 – 17:00**

**Visits of NICT Laboratories**

- **Quantum cryptography**
- **Optical Packet and Path Integration Network**
- **Japan Standard Time and Time Stamp for Tampering Prevention**

**17:15 – 18:15**

**Bus Trip to the Hotels**

# Thursday 2<sup>nd</sup>

Venue: Embassy of France

08:30	Opening of Registration
09:00 – 09:05	Welcome Address Jacques Maleval, Counselor for Science and Technology, Embassy of France in Japan
09:05 – 09:20	Keynote speech Masao Sakauchi, President, NICT
09:20 – 09:25	Keynote address Jiro Kokuryo, Vice-Président for International Collaboration, Keio University
Session 3	<i>Cyber-security strategy / Chairman : Koji Nakao</i>
09:25 – 09:50	Recent Development in Cybersecurity Policy in Japan Mari Ichikawa, NISC
09:50 – 10:15	Survey Of Cyber Security Research In France Claude Kirchner, Inria
10:15 – 10:40	Cyber security strategy and on-going cybersecurity projects in MIC, Japan Yuji Nakamura, Ministry of Internal Affairs and Communications
10:40 – 10:55	Japan-France political dialogue on Cybersecurity Sabine Sciortino, Political Counsellor, Embassy of France in Japan
10:55– 11:15	Coffee Break & Group Photo
Session 4	<i>Attacks and Mitigation / Chairman : Marc-Olivier Killijian</i>
11:15 – 11:40	Internet Monitoring for Tracking Cybercriminal Activities Jérôme François, Inria
11:40 – 12:05	Latest Research Activities In NICT (Cyber-security lab) Daisuke Inoue, NICT
12:05 – 12:30	Low Level Code Analysis And Experiments In Nancy's High Security Lab Jean-Yves Marion, University of Lorraine
12:30 – 12:55	Efforts for DDoS Monitoring and Alerting Katsunari Yoshioka, YNU

12:55 – 13:50 Lunch Break

**Session 5** *Software and System Security / Chairman : Claude Kirchner*

**13:50 – 14:15** Mitigating Side Channel Attacks using Polymorphic Code  
Jean-Louis Lanet, Inria

**14:15 – 14:40** Introduction of Remote Secure Software Update for Vehicle communications  
Masashi Eto, NICT

**14:40 – 15:05** High security lab and internet telescope  
Bertrand Wallrich, Inria

**15:05– 15:30** Android Security: Fine-Grained Risk Level Quantification Schemes based on APK Metadata  
Takeshi Takahashi, NICT

**15:30– 15:55** IRMA (Incident Response and Malware Analysis): Don't let suspicious files bring malware  
Jean-Baptiste Bedrune, Quarkslab

15:55– 16:15 Break

**Session 6** *Urban networks / Cloud security/ IoT / Chairman : Phong Nguyen*

**16:15 – 16:40** Challenges In Embedded Security  
Assia Tria, CEA

**16:40 – 17:05** Cyber Threat for IoT environment  
Yuji Ukai, FFRI

**17:05 – 17:30** Private And Secure Outsourcing In The Cloud Era  
Carlos Aguilar, National Polytechnic Institute of Toulouse

**17:30– 17:55** Security Updatable Homomorphic Public Key Encryption  
Le Trieu Phong, NICT

**17:55– 18:20** Wireless connectivity in smart cities: Capillary network challenges  
Hervé Rivano, Inria

18:30 – 20:30 Reception at the Residence of France

## Venue: Embassy of France

08:30	Opening of Registration
Session 7	<i>Privacy Issues / Chairman : H�el�ene Kirchner</i>
09:00 – 09:25	Privacy Challenges In The Information Society Sebastien Gambs, University of Rennes - Inria
09:25 – 09:50	Privacy Issues in Big Data and Privacy-preserving Data Mining Hiroaki Kikuchi, Meiji University
09:50 – 10:15	Privacy issues Catuscia Palamidessi, Inria
10:15 – 10:40	Research on Privacy Protection in Japan (tentative) Shinsaku Kiyomoto, KDDI labs
10:40 – 11:05	Geoprivacy, Applications, Threats And Protection Mechanisms Marc-Olivier Killijan, CNRS
11:05 – 11:25	Coffee Break
Session 8	<i>Network security / Chairman : Hideki Sunahara</i>
11:25 – 11:50	Internet Citizen Social Rights: Privacy Leaks And Opinion Manipulation Detection Walid Dabbous, Inria
11:50 – 12:15	Recent security research at Keio University Kenji Kono, Keio University
12:15 – 12:40	Cyber security crisis management Henry Ng, THALES e-Security APAC
12:40 – 13:05	Network Security Technologies implemented for ISP Shin Miyakawa, NTT-Communications
13:05 – 14:05	Lunch Break

**Session 8**      *Network security (continued) / Chairman: Walid Dabbous*

- 14:05– 14:30**      Unsupervised Network Anomaly Detection In The Dark  
Philippe Owezarski, CNRS
- 14:30 – 14:55**      Observable Threat Actors Activity using BOS  
Masato Terada, Hitachi
- 14:55 – 15:20**      Secure Key Renewal and Revocation for Wireless Sensor Networks  
Pascal Lafourcade, University of Auvergne
- 15:20 – 15:45**      Introduction of Telecom-ISAC Japan Activities  
Haruki Sato, Telecom-ISAC Japan
- 15:45 – 16:05**      Supervising the supervisor: reversing proprietary SCADA technologies  
Jean-Baptiste Bedrune, Quarkslab

**16:05 – 16:25**      Coffee Break

**Session 9**      *Developing French-Japanese collaboration*

- 16:25 – 17:40**      Round Table : identifying collaboration topics, tools and proposals for French-Japanese collaboration with the participation of  
Koji Nakao, Claude Kirchner, Jun Murai, Mitsuhiro Okada, Marc-Olivier Killijian, H el ene Kirchner
- 17:40 – 18:00**      *Closing remarks by Claude Kirchner and Koji Nakao*