

IFIP SEC 2011 Conference Program

Version 8, June 2011

Monday, 6 June, 2011

| | | | |
|--------|---------|---|--|
| 9.00 h | 17.00 h | TC 11 Annual Meeting Closed Session Forum 3.08 | PrimeLife Closed Session Forum 2.08 |
|--------|---------|---|--|

SEC 2011 DAY 1

Tuesday, 7 June, 2011

| | | Paper Presentation | PrimeLife EU Research Dieter Sommer | PICOS EU Research Kai Rannenberg | IFIP WG 11.8 WISE Colin Armstrong | IFIP WG 11.4 iNetSec Jan Camenisch |
|---------|---------|--|--|---|---|--|
| 8.00 h | 9.00 h | Registration Forum Auditorium 1.24 | | | | |
| 9.00 h | 9.30 h | Welcome Carlos Rieder / Ueli Maurer / Kai Rannenberg / Jan Camenisch Auditorium 1.24 | | | | |
| 9.30 h | 10.30 h | "The Future of Privacy" Keynote Speaker Prof. Dr. Michael Waidner, TU Darmstadt, Director of Fraunhofer SIT Darmstadt, Germany chaired by Simone Fischer Hübner Auditorium 1.24 | | | | |
| 10.30 h | 11.00 h | Coffee / Tea Break, Cafeteria 5. floor | | | | |
| 11.00 h | 11.30 h | Session 1: Malware, Information Flow & DoS attacks Session chair: Lech Janczewski Forum 3.08 | PrimeLife Summit "Privacy and Identity Management for Life" Auditorium 1.24 | | | |
| | | #1 ISAM: An iPhone Stealth Airborne Malware Dimitrios Damopoulos, Georgios Kambourakis and Stefanos Gritzalis | Session 1: "PrimeLife Summit -- Opening" Jan Camenisch, Dieter Sommer | | | |
| 11.30 h | 12.00 h | #2 TCP Ack Storm DoS Attacks Raz Abramov and Amir Herzberg | "The Social Web: Privacy and Information Quality" Ronald Leenes | | | |
| 12.00 h | 12.30 h | #3 Detecting Hidden Storage Side Channel Vulnerabilities in Networked Applications Felix C. Freiling and Sebastian Schinzel | "Exploiting the Cloud: Lifelong Privacy-preserving Data Storage" Katrin Borcea-Pfritzmann, Stefan Köpsell | | | |
| 12.30 h | 13.45 h | Lunch, Cafeteria 5. floor | | | | |
| 13.45 h | 14.15 h | Session 2: Authentication Session chair: Steve Marsh Forum 3.08 | PrimeLife Auditorium 1.24 | PICOS Closed Session Forum 2.08 Plenum 2.06 | | |
| | | #4 Breaking reCAPTCHA: A Holistic Approach via Shape Recognition Paul Baecher, Niklas Büscher, Marc Fischlin and Benjamin Milde | Session 2: "Cryptography for Privacy" Jan Camenisch | | | |
| 14.15 h | 14.45 h | #5 From Multiple Credentials to Browser-based Single Sign-On: Are We More Secure? Alessandro Armando, Roberto Carbone, Luca Compagna, Jorge Cuellar, Giancarlo Pellegrino and Alessandro Sorniotti | "New PETS" Pierangela Samarati | | | |
| 14.45 h | 15.15 h | #6 Quantifying the Effect of Graphical Password Guidelines for Better Security Mohd Jali, Steven Furnell and Paul Dowland | "Privacy by Policies" Gregory Neven | | | |
| 15.15 h | 15.45 h | Coffee / Tea Break, Cafeteria 5. floor | | | | |
| 15.45 h | 16.15 h | Session 3: Network Security & Security Protocols Session chair: Jaap-Henk Hoepman Forum 3.08 | PrimeLife Auditorium 1.24 | PICOS Closed Session Forum 2.08 Plenum 2.06 | | |
| | | #7 A Case Study in Practical Security of Cable Networks Amir Alsbih, Felix Freiling and Christian Schindelhauer | Session 3: "Mobile and Service Infrastructures for Privacy and Identity Management" Ulrich Pinsdorf, Marc-Michael Bergfeld, Sascha Koschinat | | | |
| 16.15 h | 16.45 h | #8 Ceremony Analysis: Strengths and Weaknesses Kenneth Radke, Colin Boyd, Juan Gonzalez Nieto, Margot Brereton | "Usability Challenges of Privacy Technologies" Simone Fischer-Hübner, Erik Wästlund, Peter Wolkerstorfer | | | |
| 16.45 h | 17.15 h | #9 Preventing Board Flooding Attacks in Coercion-Resistant Electronic Voting Schemes Reto Koenig, Rolf Haenni and Stephan Fischli | "How PrimeLife creates Real-world Impact through Open Source and Standardization" Jan Camenisch, Hans Hedbom, Rigo Wenning | | | |
| 17.15 h | 17.45 h | #10 Piracy Protection for Streaming Content in Home Networks Hongxia Jin and Jeffrey Lotspiech | "An Outsider's Insight into PrimeLife" | | | |
| 18.15 h | 19.15 h | Social Event (Guided City Tour of Lucerne, in groups of 10) meeting point @ the KKL fountain | | | | |
| 19.30 h | 22.30 h | Dinner sponsored by Computers & Security Journal (30th Anniversary celebration) @ Grand Casino Lucerne | | | | |

IFIP SEC 2011 Conference Program

Version 8. June 2011

SEC 2011 DAY 2

Wednesday, 8 June, 2011

| | | | | | |
|---------|---------|--|--|---|--|
| 8.30 h | 9.00 h | Registration Auditorium 1.24 | | | |
| 9.00 h | 10.00 h | "Cooperation Research and Industry" Keynote Speaker Prof. Dr. René Hüsler, Director of Lucerne University of Applied Sciences and Arts, Switzerland chaired by Carlos Rieder Auditorium 1.24 | | | |
| 10.00 h | 10.30 h | Global cooperation via IFIP TC-11 and its Working Groups Kai Rannenberg, Chair TC-11; Jan Camenisch, Chair WG 11.4, Colin Armstrong, Chair WG 11.8 chaired by Yuko Murayama Auditorium 1.24 | | | |
| 10.30 h | 11.00 h | Coffee / Tea Break, Cafeteria 5. floor | | | |
| 11.00 h | 11.30 h | Session 4: Software Security Session chair: Yuko SJ Murayama Forum 3.08 | Industrial Track Research meets Industry Auditorium 1.24 | PrimeLife Closed Session Forum 2.14 | PICOS Closed Session Forum 2.08 Plenum 2.06 |
| 11.30 h | 12.00 h | #11 JITDefender: A Defense Against JIT Spraying Attacks Ping Chen, Yi Fang, Bing Mao, Li Xie | "Corporate IT Forensic Readiness" Dr. Bruce Nikkel, UBS, Zurich, Switzerland | | |
| 12.00 h | 12.30 h | #12 Retrofitting Security in COTS Software with Binary Rewriting P' adraig O'Sullivan, Kapil Anand, Aparna Kotha, Matthew Smithson, Rajeev Barua, Angelos D. Keromytis | #13 Generating Optimised and Formally Checked Packet Parsing Code Sebastien Mondet, Ion Alberdi and Thomas Plagemann | 11:45 "Cyber security for critical infrastructures - research challenges and solutions" Ragnar Schierholz, ABB, Baden, Switzerland | |
| 12.30 h | 14.00 h | Lunch, Cafeteria 5. floor | | | |
| 14.00 h | 14.30 h | Session 5: Policy Compliance and Obligations Session chair: Ioannis Krontiris Forum 3.08 | Industrial Track Research meets Industry Auditorium 1.24 | | PICOS Closed Session Forum 2.08 Plenum 2.06 |
| 14.30 h | 15.00 h | #14 Organizational power and information security rule compliance Ella Kolkowska and Gurpreet Dhillon | "Terrain Following beyond Endurance or University-Industrial Research" Stefan Burschka, RUAG, Switzerland | | |
| 15.00 h | 15.30 h | #15 Delegation of Obligations and Responsibility Meriam Ben Ghorbel Talbi, Frederic Cuppens, Nora Cuppens-Boulahia, Daniel Le Metayer, Guillaume Prolle | #16 Distributed Security Policy Conformance Mirko Montanari, Elick Chan, Kevin Larson, Wucherl Yoo and Roy Campbell | 14:45 "The AXSionics Passport System" - a success story based on Industry - University R&D cooperations. Dr. Lorenz Müller AXSionics AG, Biel-Switzerland | |
| 15.30 h | 16.00 h | Coffee / Tea Break, Cafeteria 5. floor | | | |
| 16.00 h | 16.30 h | Session 6: Privacy attacks and Privacy Enhancing Technologies Session chair: Frédéric Cuppens Forum 3.08 | Session 2E: Industrial Track Research meets Industry Auditorium 1.24 | | PICOS Closed Session Forum 2.08 Plenum 2.06 |
| 16.30 h | 17.00 h | #17 Scalable Privacy-Preserving Data Mining over Asynchronously Partitioned Datasets Hiroaki Kikuchi, Daisuke Kagawa, Anirban Basu, Kazuhiko Ishii, Masayuki Terada and Sadayuki Hongo | "Security R&D agendas: changing the game" Dr. Claire Vishik Intel Corporation, United Kingdom | | |
| 17.00 h | 17.30 h | #18 Privacy-Enhanced Web-based Event Scheduling with Majority Agreement Benjamin Kellermann | #19 Analyzing Key-click Patterns of PIN Code Input for Recognizing VoIP Users Ge Zhang | 16:45 Panel discussion - Nikkel, Schierholz, Burschka, Müller, Vishik | |
| 18.00 h | 19.30 h | Social Event (short boat ride across Lake Lucerne) meeting point Peer # 6 | | | |
| 19.30 h | 22.30 h | Gala Dinner with partners @ Hotel Seeburg Lucerne | | | |
| 22.15 h | 22.30 h | Shuttle bus back to SEC2011 | | | |
| 22.30 h | 22.45 h | | | | |

IFIP SEC 2011 Conference Program

Version 8, June 2011

SEC 2011 DAY 3

Thursday, 9 June, 2011

| | | | | |
|---------|---------|--|--|---|
| 8.30 h | 9.00 h | Registration Forum Auditorium 1.24 | Registration Forum Auditorium 1.24 | Registration Opening Forum Auditorium 1.24 |
| 9.00 h | 9.30 h | Registration Forum Auditorium 1.24 | PICOS "Privacy and Identity Management for Community Services" Auditorium 1.24 Plenum 2.06 "Introduction" | IFIP WG 11.8 WISE "The Seventh World Conference on Information Security Education" Forum 3.14 Welcome & IEEE/ACM Computing Curricumn 2013 intro and group assignments Colin Armstrong/ Ron Dodge |
| 9.30 h | 10.00 h | Session 7: Intrusion Detection Session chair: Morton Swimmer Forum 3.08 #20 : Extending LSCs for Behavioral Signature Modeling , Sven Patzina, Lars Patzina, Andy Schür | "Gathering Community Requirements" (WP2) | IFIP WG 11.4 iNetSec "Open Problems in Network Security" Forum 2.14 Session 1: Assisting Users "Evoking comprehensive Mental Models of Anonymous Credentials" Erik Wästlund, Julio Angulo, Simone Fischer-Huebner |
| 10.00 h | 10.30 h | #21 Detecting illegal system calls using a data-oriented detection model Jonathan-Christopher Demay, Frédéric Majorczyk, Eric Totel and Frederic Tronel | "PICOS Platform: Architecture and Design" (WP4) | "Preparing our Undergraduates to Enter a Cyber World" Dennis Schweitzer |
| 10.30 h | 11.00 h | Coffee / Tea Break, Cafeteria 5. floor | | |
| 11.00 h | 11.30 h | Session 8: : Risk Analysis and Security Metrics Session chair: Ingrid Schaumuellere-Bichl Forum 3.08 | PICOS Auditorium 1.24 Plenum 2.06 | IFIP WG 11.8 WISE Forum 3.14 |
| 11.30 h | 12.00 h | #22 Problem Analysis of Traditional IT-Security Risk Assessment Methods – An Experience Report from the Insurance and Auditing domain Stefan Taubenberger, Jan Jürjens, Yiyun Yu and Bashar Nuseibeh | "Privacy and Trust concepts into practice: A prototypical implementation" (WP5/WP6) | IFIP WG 11.4 iNetSec Forum 2.14 Session 2: Malware Detection |
| 12.00 h | 12.30 h | #23 On Computing Enterprise IT Risk Metrics Sandeep Bhatt, William Home and Prasad Rao | 12:15 "User-based evaluation: Testing the PICOS application in the lab and in the field" (WP7) Part I | "Removing the Obstacles - One Model for Establishing a High School Cyber Defense Training Program" Ayers, Carleton R. II 11:20 "Information Security Management" Basic Educational Course for IS Specialists' Training Natalia Miloslavskaya 11:40 "Young people: How safe are they when using social networks?" Lynette Drevin |
| 12.30 h | 13.45 h | #24 A Kolmogorov Complexity Approach for Measuring Attack Path Complexity Nwokedi Idika and Bharat Bhargava | | IEEE/ACM Computing Curricumn 2013 group work Ron Dodge |
| 13.45 h | 14:45h | Lunch, Cafeteria 5. floor | | |
| 14.45 h | 15.15 h | Kristian Beckman Award "Patience, Persistence, and Faith" - Evolving the Gold Standard in Privacy and Data Protection: Chronicles of a "Crusader" Dr. Ann Cavoukian, Information and Privacy Commissioner (IPC) of Ontario, Canada (by video conference) chaired by Kai Rannenberg Auditorium 1.24 | | |
| 15.15 h | 15.30 h | SEC 2011 Closing Plenary / Best Student Paper Award Kai Rannenberg, Simone Fischer Hübner, Yuko Murayama, Jan Camenisch, Carlos Rieder, Dimitris Gritzalis, Louise Yngström, Colin Armstrong Auditorium 1.24 | | |
| 15.30 h | 16.00 h | | PICOS Auditorium 1.24 Plenum 2.06 "User-based evaluation: Testing the PICOS application in the lab and the field" (WP7) Part II 15:45 "Built-in Privacy Assurance in Mobile Communities" (WP3) | IFIP WG 11.4 iNetSec Forum 2.14 Session 3: Saving Energy & Problems in the Cloud "Energy-Efficient Cryptographic Engineering Paradigm" Marine Minier, Raphael C.-W. Phan |
| 16.00 h | 16.30 h | | "Evaluation activities in PICOS" (WP8) | Session 4 : Policies "Towards a similarity metric for comparing machine-readable privacy policies " Inger Anne Tøndel, Åsmund Ahlmann Nyre, Karin Bernsmed 15:55 "Abstract Privacy Policy Framework: Addressing Privacy Problems in SOA" Laurent Bussard, Ulrich Pinsdorf |
| 16.30 h | 17.00 h | | "Creating Shareable Security Modules" Blair Taylor | 16:20 "Consent-Based Access Control" Muhammad Rizwan Asghar, Giovanni Russello |
| 16.45 h | 17.00 h | | | Coffee / Tea Break, 5.floor |

IFIP SEC 2011 Conference Program

Version 8. June 2011

| | | | |
|------------------------------|--|---|---|
| 17.00 h 17.15 h | | | |
| 17.15 h 17.25 h | | "Closing Remarks" | IFIP WG 11.4 iNetSec Forum 2.14 Session 5 : Problems in the Cloud "Towards User Centric Data Governance and Control in the Cloud" Stephan Groß, Alexander Schill |
| 17.25 h 17.45 h | | PICOS Closed Session Auditorium 1.24 Plenum 2.06 | "Securing Provenance in Cloud " Muhammad Rizwan Asghar, Mihaela Ion, Giovanni Russello and Bruno Crispo Closing of iNetSec |
| 17.45 h 18.00 h | | | |
| 19.00 h | | Social Event PICOS | |
| Friday, 10 June, 2011 | | | |
| 8.30 h 9.00 h | | | Registration Forum 3.14 |
| 9.00 h 9.20 h | | PICOS Closed Session Forum 2.08 | IFIP WG 11.8 WISE "The Seventh World Conference on Information Security Education" Forum 3.14 "Personnel Training in the Field of Financial and Economic Security" Alexandr Tolstoy "Information Security Fundamentals" Educational Course for Non-core Bank Employees Natalia Miloslavskaya "Interdisciplinary Collegiate Cyber Exercises: 2011 CyberWatch" Tim Rosenberg IEEE/ACM Computing Curricumn 2013 group work Ron Dodge |
| 9.20 h 9.40 h | | | |
| 9.40 h 10.00 h | | | |
| 10.00 h 10.30 h | | | |
| 10.30 h 11.00 h | | | Coffee / Tea Break, Cafeteria 5. floor |
| 11.00 h 11.30 h | | PICOS Closed Session Forum 2.08 | IFIP WG 11.8 WISE Forum 3.14 "Towards a Pervasive Information Assurance and Security Educational Model for Information Technology Curricula" Lynn Fatcher "A Top Down Approach to Information Security Doctoral Research" Helen Armstrong "Towards Information Security Education 3.0. A Call for Information Security Educational Ontologies" Johan van Niekerk |
| 11.30 h 12.00 h | | | |
| 12.00 h 12.30 h | | | |
| 12.30 h 13.30 h | | | Lunch, Cafeteria 5. floor |
| 13.30 h 14.00 h | | PICOS Closed Session Forum 2.08 | IFIP WG 11.8 WISE Forum 3.14 "The Use of Second Life @ to Teach Physical Security Across Different Teaching Modes" Erik Moore "An Enterprise Anti-Phishing Framework" Edwin Donald Frauenstein "Teaching Computers Security With a Hands-on Component" Narayan Murthy |
| 14.00 h 14.30 h | | | |
| 14.30 h 15.00 h | | | |
| 15.00 h 15.30 h | | | Coffee / Tea Break, Cafeteria 5. floor |
| 15.30 h 16.00 h | | PICOS Closed Session Forum 2.08 | IFIP WG 11.8 WISE Forum 3.14 "The Strengths and Challenges of Analogical Approaches to Computer Security Education" Kara Nance "IEEE/ACM Computing Curricumn 2013 report back" Ron Dodge TC11.8 business Colin Armstong |
| 16.00 h 16.30 h | | | |
| 16.30 h 17.00 h | | | |