

**TECHNICAL PROGRAM**  
**The 1st IEEE International Workshop on Big Data and IoT Security in Smart Computing (IEEE BITS 2017)**  
 May 29, 2017, Hong Kong  
*[in conjunction with IEEE SMARTCOMP 2017]*

08:15-	<b>Registration</b>
09:00-09:05	<b>Opening Remarks</b> (Sajal K. Das and Hayato Yamana)
09:05-10:30	<b>Session 1: Cryptography and Authentication in Theory</b> <b>Session Chair: Jun Sakuma</b> <ul style="list-style-type: none"> <li>- <i>A Homomorphic Signature Scheme for Quadratic Polynomials</i> Seiko Arita and Shunji Kozaki</li> <li>- <i>Short CCA-Secure Ciphertext-Policy Attribute-Based Encryption</i> Hiroaki Anada and Seiko Arita</li> <li>- <i>Anonymous Authentication Scheme with Decentralized Multi-authorities</i> Hiroaki Anada and Seiko Arita</li> </ul>
10:30-11:00	<b>Break</b>
11:00-12:30	<b>Session 2: Applied Secure Systems in Smart Computing</b> <b>Session Chair: Hayato Yamana</b> <ul style="list-style-type: none"> <li>- <i>Differentially Private Semi-supervised Classification</i> Long Xu and Jun Sakuma</li> <li>- <i>Anomaly Detection based on Attribute Conflict Identifications in Large-scale Commercial Bank Customer Data</i> Yuan Wang and Vincent Ng</li> <li>- <i>Fully Homomorphic Encryption for Classification in Machine Learning</i> Seiko Arita and Shota Nakasato:</li> </ul>
12:30-14:30	<b>Lunch</b>
14:30-15:30	<b>Session 3: Big Data Security in Smart Computing</b> <b>Session Chair: Dario Bruneo</b> <ul style="list-style-type: none"> <li>- <i>Private Substring Search on Homomorphically Encrypted Data</i> Yu Ishimaki, Hiroki Imabayashi and Hayato Yamana:</li> <li>- <i>A Decentralized System of Genome Secret Search Implemented with Fully Homomorphic Encryption</i> Yuri Yamamoto and Masato Oguchi</li> </ul>
15:30-16:00	<b>Break</b>
16:00-17:30	<b>PANEL: CPS Safety and Security (jointly with SmartSys 2017)</b> <b>Moderator:</b> Sajal K. Das <b>Panelists:</b> Dario Bruneo, Jiannong Cao, Abhishek Dubey, Klara Nahrstedt, Hayato Yamana