Preface
EST 2015

These proceedings include the papers presented at the Sixth International Conference on Emerging Security Technologies (EST 2015), held at the University of Braunschweig, Germany, on 3-5 September 2015.

The motivation behind the EST conference series is to develop an active forum dedicated to the exchange and discussion of new ideas and concepts in emerging technologies that span applications from personal biometrics to national security. Previous EST Conferences were organized in Canterbury, UK, in 2010 and Preston, UK, in 2011, Lisbon, Portugal, in 2012, Cambridge, UK, in 2013, and Alcalá de Henares, Spain, in 2014. The precursor series, the International Symposium on Defense and Security, ISDS-2006, was held in Iasi, Romania, and the Bio-inspired Learning and Intelligent Systems for Security Symposia, BLISS 2007-2009, were held in Edinburgh, UK.

Papers presented during the conference examined many complex issues in strategically important areas such as surveillance, threat detection, controlled access, and secure communication. Contributions can be grouped into the following primary fields: Cybersecurity, National Security Applications, Robotics, Biometrics, and Autonomous Car Security.

The first keynote address, from Mr. Ammar Alkassar from the Sirrix AG, Germany, addressed recent developments in the area of real-world security, and the challenges faced by commercial companies. The second keynote speaker, Mr. Vincent van der Leest Director of Intrinsic-ID, Netherlands, gave an overview of Physical Unclonable Functions (PUFs) as trust anchors for hardware intrinsic security. Prof Tughrul Arslan, from University of Edinburgh, UK, gave an invited talk on securing mobile and wearable devices with steerable antenna systems.

Visiting Braunschweig were authors and participants of EST 2015 from many countries, including Brazil, Canada, Czech Republic, Germany, Italy, Japan, Netherlands, the United Kingdom, and the United States of America. We acknowledge the support and hard work of many individuals who contributed to the success of this year’s conference.

Foremost, we thank the authors and the invited speakers for taking an active role in submitting scientifically relevant and technically engaging articles. We are very grateful for the Program Committee’s role in and assistance with the paper review process.

We also owe heartfelt appreciation to the IEEE Computer Society Conference Publishing Services for their support in making the publication of these proceedings possible. In particular, we want to thank our Production Editor, Juan Guerrero, who patiently and expertly guided us through the process, and made sure that everything was handled in a professional and timely manner.

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