## Programme - 12 to 13 Aug 2015

### Day 1 – Wednesday, 12 August 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30–09:15</td>
<td>Registration</td>
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<tr>
<td>09:15-09:30</td>
<td>Welcome address:</td>
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<tr>
<td>09:30-10:00</td>
<td>Guest Speaker: Topic:</td>
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<td>10:00-10:30</td>
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<td>10:30-11:00</td>
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<td>11:00-11:30</td>
<td>Keynote address: Christian Damsgaard Jensen</td>
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<td>11:30-12:00</td>
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<td>12:30-13:30</td>
<td>Lunch</td>
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#### Stream 1 – Network Security (Reviewed Papers)
- **Session Chair:**
  - Location Aware Mobile Device Management
  - Jaco du Toit and Ian Ellefsen
- **Workshop 1:**
  - **Step by step hacking**
  - **Prerequisites for building a security incident response capability**
  - Roderick Mooi and Reinhardt Botha

#### Stream 2 – Information Security Management (Reviewed Papers)
- **Session Chair:**
  - AFA-RFID: Physical Layer Authentication for Passive RFID Tags
  - Marijke Coetzee and Gregory Stuart Smith
  - **A Model for the Design of Next Generation e-supply Chain Digital Forensic Readiness Tools**
  - Derek Masvosvere and Hein Venter
- **Workshop 1:**
  - **Towards a PHP Webshell Taxonomy using Deobfuscation-assisted Similarity Analysis**
  - Peter Wrench and Barry Irwin
  - **Self-sanitization of digital images using steganography**
  - Tayana Morkel
- **Stream 3 – Trust (Reviewed Papers)**
- **Session Chair:**
  - Characterization and analysis of NTP amplification based DDoS attacks
  - Lauren Rudman and Barry Irwin
- **Workshop 1:**
  - **Security Intelligence for Broadcast: Threat Analytics**
  - Sumit Chakraborty and Sushil Sharma

#### Stream 3 – Trust (Reviewed Papers)
- **Session Chair:**
  - Intrusion Detection in Bluetooth Enabled Mobile Phones
  - Kishor Krishnan Nair, Albert Helberg and Johan Van Der Merwe
- **Workshop 1:**
  - **Evaluation and Analysis of a Software Prototype for Guidance and Implementation of a Standardized Digital Forensic Investigation Process**
  - Melissa Ingels, Aleksandar Valjarevic and Hein Venter

#### Stream 4 – Digital forensics (Reviewed Papers)
- **Session Chair:**
  - Access Control for Local Personal Smart Spaces
  - Brian Greaves and Marijke Coetzee
- **Workshop 1:**
  - **The Current State of Digital Forensic Practitioners in South Africa**
  - Jason Jordaan and Karen Bradshaw
- **Workshop 1:**
  - **Towards a digital forensic science**
  - Martin S Olivier

#### Workshop 1: (Continued)
- **Location Aware Mobile Device Management**
  - Jaco du Toit and Ian Ellefsen
- **Prerequisites for building a security incident response capability**
  - Roderick Mooi and Reinhardt Botha
- **A Model for the Design of Next Generation e-supply Chain Digital Forensic Readiness Tools**
  - Derek Masvosvere and Hein Venter
- **Towards a PHP Webshell Taxonomy using Deobfuscation-assisted Similarity Analysis**
  - Peter Wrench and Barry Irwin
- **Self-sanitization of digital images using steganography**
  - Tayana Morkel
- **Security Intelligence for Broadcast: Threat Analytics**
  - Sumit Chakraborty and Sushil Sharma
- **Evaluation and Analysis of a Software Prototype for Guidance and Implementation of a Standardized Digital Forensic Investigation Process**
  - Melissa Ingels, Aleksandar Valjarevic and Hein Venter
- **The Current State of Digital Forensic Practitioners in South Africa**
  - Jason Jordaan and Karen Bradshaw
- **Towards a digital forensic science**
  - Martin S Olivier

#### Gala Dinner:

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*Subject to change without notification*
## Day 2 – Thursday, 13 August 2015

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| 13:00–13:50 | **Stream 5 – Digital Forensics / Privacy** (Reviewed Papers)  
Session Chair: |
Heloise Pieterse, Martin S Olivier and Renier van Heerden |
| 13:50–14:10 | The Use of Web Beacons To Uniquely Identify a Website  
Luke Lubbe |
| 14:10–14:30 | Adding Event Reconstruction to a Cloud Forensic Readiness Model  
Hein Venter and Victor Kebande |
| 14:30–14:50 | Risk-Driven Security Metrics Development for an e-Health IoT Application  
Reijo Savola, Markus Silvonen, Antti Evesti and Pekka Savolainen |

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<th>14:50–15:20</th>
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| 15:20–15:40 | **Stream 7 – Information Security Management** (Reviewed Papers)  
Session Chair: |
| 15:40–16:00 | A formal qualitative risk management approach for IT security  
Bessy Mahapo, Hanifa Abdullah and Mathias Mujinga |
| 15:40–16:00 | The Effects of the PoPI Act on Small and Medium Enterprises in South Africa  
Johnny Botha, Mariki Eloff and Ignus Swart |

| 16:00–16:20 | **Stream 8 – Data and Application Security / Security of Architectures** (Reviewed Papers)  
Session Chair: |
| 16:00–16:20 | Data Aggregation Using Homomorphic Encryption in Wireless Sensor Networks  
Tsotsopo Ramotswele and Gerhard Hancke |
| 16:20–16:40 | Analyzing the Security Posture of South African Websites  
Jabu Mtsweni |

| 17:00–19:00 | **Closing Cocktail: Announcement of Best Paper** |