NIST, NPL and the European Association for Biometrics invite talks for the IBPC conference on performance and testing of biometric systems. The forum will bring together evaluators, users, and technology providers to discuss performance in applications that embed biometric functions or component. The conference is focused on quantitative, applied biometrics, aiming to elicit information that guides policy, design, planning, and implementation of high performance biometric systems, particularly how systems are tested, certified, upgraded and improved. The conference specifically invites talks on border control, including ABC, and human involvement, Entry-Exit, and overall security. The conference aims to expand the use of biometrics by targeting operationally relevant themes, including design, procurement, and measurement.

| **Topic area I: Test design and analysis** | **Organizers:**  
| Design of experiments, efficient testing, sequential testing | Patrick Grother, Elham Tabassi, NIST  
| Beyond the DET: Novel tests and performance metrics | Tony Mansfield, National Physical Laboratory (NPL)  
| Statistical methods for efficiency, for prediction | Christoph Busch, European Assoc. for Biometrics (EAB)  
| Individual specific analysis, mixed effects |  
| Longitudinal analysis, Effects of age and ageing |  
| Biometrics in infants, children, elderly |  
| Face recognition in video: multiple persons, cameras, non-cooperation |  
| Desirable, undesirable algorithm properties – 1:1, 1:N and forensics |  
| Identification systems: metrics, limits, scalability, relation to 1:1 |  
| Desirable, undesirable sample properties, and quality estimation |  
| Product vs. component tests, certification, interoperability |  
| Performance of sensors and capture devices |  
| Testing and standardization gaps; testing in academia |  
| Usability and accessibility testing for biometrics |  

**Topic area II: Operational aspects: Border Control**
Recent concepts of operations, Entry and Exit  
Recent test results  
Expediting biometrics, expedited border control  
Biometrics with non-habituated populations  
Expedited traveler programs  
Air, sea, land borders: Where are the bottlenecks  
e-Passport solutions: When is it viable, needed and cost effective  
Human performance: Checking identity after automated 1:1 or 1:N  
Role of simulation  
Security, attacks, tests, red teams

**Topic area III: Mobile and remote authentication**
Biometrics in security context: Spoofing, deterrence, risks, priors, costs, fallbacks, evaluation of multifactor authentication  
Resilience under active attacks (vulnerability, spoofing)  
Feasibility of common criteria testing of biometric components  
Privacy enhancing technology, de-identification  
Remote authentication: Challenges, assurance, testing  
Retrospectives, lessons learned, long term perspective, critical appraisal of other programs, events, specifications.

**Important dates:**
- Feb 08 2016 Submission of abstract < 1 page  
- Feb 15 2016 Notification of acceptance  
- Apr 20 2016 Online registration closes  
- Apr 27 2016 Submission of slides + papers  
- May 03 2016 IBPC 2016 Conference  
- May 05 2016  
- May 5-6 2016 Workshop: “Quantifying the weight of forensic evidence”  
- May 5, 2016 Seminar: “Non-cooperative face recognition inc. video surveillance”  

**Logistics:**
- When: May 3-5, 2016  
- Where: Red Auditorium (cap. 400)  
- NIST Gaithersburg, MD, USA  
- Internet: Wireless  
- Hotel: Gaithersburg area hotels, TBA  
- Fee: $US 165 (estimate) via registration

**Contact the organizers:**
Email: ibpc2016 AT nist DOT gov