Schedule for the joint sessions of the 2014 EST and HUMASCEND

September/10 WED

09:00 - Welcome

**9:15 - Keynote address: Prof. Jean-Marc Ogier**

10:15-10:30 Break

**10:30 Invited talk: Charlie Frowd**

11:00-12:00 Session WedMor1: Biometrics

- *Modeling Risks in Biometric-Based Authentication Control Systems*
  Shawn Eastwood and Svetlana Yanushkevich

- *Towards Receipt-freeness in Remote Biometric Authentication*
  Yoshifumi Ueshige and Kouichi Sakurai

- *Content Reconstruction using Keystroke Dynamics: Preliminary Results*
  Patrick Bours and Liang Wu

12:00-13:30 Lunch Break

13:30-14:50 Session WA1: Biometrics CV

- *Comparison of Ear Recognition Robustness of Single-View-Based Images Rotated in Depth*, Daishi Watabe, Takanari Minamidani, Hideyasu Sai and Jianting Cao
- *Multispectral Hand Biometrics*, Steven Samoil, Kenneth Lai and Svetlana Yanushkevich
- *Influence of Holding Smart Phone for Acceleration-Based Gait Authentication*, Yuji Watanabe
- *Gait identification using invisible shadows: robustness to appearance changes*, Yumi Iwashita, Ryo Kurazume and Adrian Stoica

14:50-15:10 Break

**15:10-15:40 Invited talk: Nigel Stinton**

15:40-16:20 Session WA2: PR

- *Indoor Place Categorization using Co-Occurrences of LBPs in Gray and Depth Images from RGB-D Sensors*, Hojung Jung, Oscar Martinez Mozos, Yumi Iwashita and Ryo Kurazume
- *FIBAR: Fingerprint Imaging by Binary Angular Reflection for Individual Identification of Metal Parts*, Toru Takahashi and Rui Ishiyama

16:20 tours and free time
Schedule for the joint sessions of the 2014 EST and HUMASCEND

September/11 THU

09:00 Keynote address: Prof. Huosheng Hu - Advanced HR in robotics

09:50-10:00 Break
10:00-12:20 Session TM1: Humanscend papers
10:00 Powered wheelchair platform for assistive technology development, Martin Henderson, Stephen Kelly, Matthew Pepper, Robert Horne, Michael Gillham and Jean-Marc Capron
10:20 Gesture and language based Multi-modal interaction with robot teams, Federico Salvioli and Adrian Stoica
10:40 Ideograms Representation for Cognitive Systems in Robotics, Maria D. R-Moreno and Adrian Stoica
11:00 Zero Moment Point/Inverted Pendulum-based Walking Algorithm for the NAO Robot, Iulia M. Motoc, Konstantinos Sirlantzis, Sarah Spurgeon and Peter Lee
11:20 Non-overlapping dual camera fall detection using the NAO humanoid robot, Edward Catley, Konstantinos Sirtlantzis, Stephen Kelly and Gareth Howells

11:40 Panel on Human-machine systems and security

12:30 - 14:00 lunch break

14:00 Keynote: Gareth Howells

14:50 Break

15:10 Session TM1: HW Security
15:10 Obscured Asymmetric Crypto-Functions for Secured Identification, Wael Adi and Shaza Zeitouni
15:30 On the Incorporation of Secure Filter in ICMetrics Group Communications, Hasan Tahir and Klaus McDonald-Maier
15:50 On Secure Group Admission Control Using ICMetrics, Hasan Tahir and Klaus McDonald-Maier
16:10 An Assessment of Recent Attacks on Specific Embedded Systems, Khattab Ali, Shoaib Ehsan and Klaus D. McDonald-Maier
16:30 :10 Protecting and identifying smartphone apps using ICmetrics, Mustafa Haciosman, Bin Ye and Gareth Howells
16:50 Side-channel attack against the Capy HIP, Carlos Javier Hernandez-Castro, Maria D. R-Moreno and David F. Barrero
17:10 An ID and Address Protection Unit for NoC based Communication Architectures, Ahmed Saeed, Ali Ahmadinia, Mike Just and Christophe Bobda
17:30 A Two-Factor Authentication System with QR codes for Web and Mobile Applications, Mete Eminagaoglu, Ece Cini, Gizem Sert and Derya Zor

19:00- Banquet
Schedule for the joint sessions of the 2014 EST and HUMASCEND

September/12 Fri

09:00-10:00 Keynote address: Prof. Tanya Vladimirova

10:00-10:20 break

10:20-11:40 Session FM
- Fourth-person sensing for pro-active services,
  Yumi Iwashita, Kazuto Nakashima, Yoonseok Pyo and Ryo Kurazume
- Encouraging the application of Virtual Environments for space training
  Hector Yago Corral, Julia Clemente Parraga and Maria Dolores Rodriguez Moreno
- Self-deploying aerial observation network for real-time disaster and emergency monitoring, Adrian Stoica and Yumi Iwashita
- Object Detection for Indoor Monitoring and Surveillance for Mobile Robots
  Carlos Astua, Jonathan Crespo and Ramon Barber

11:40 Panel - Security in cyber-physical systems
13:00 Conference end

CONFERENCE VENUE:
the Rectorade of the University, the main building.
Colegio de San Ildefonso, Plaza de San Diego,
s/n 28801 Alcalá de Henares