

# Human Factors in Aviation Safety

13-14 November 2017, Hilton London Gatwick Airport

## Provisional programme

### Monday 13 November 2017

09:00 Registration and refreshments

09:30 Welcome address

#### Session 1: How do we improve human performance in aviation systems?

09:40 Keynote: Health - the forgotten human factor in aviation? [Sian Blanchard, EasyJet](#)

10:10 Introducing the Aviation Academy Safety Culture Prerequisites Tool, [Selma Piric, Amsterdam University of Applied Sciences Aviation Academy](#)

10:30 How does managing a formation of multiple unmanned vehicles impact operator performance? [Jaina Mistry, BAE Systems](#)

10:50 Discussion

11:05 Break

11:35 Can the use of angle of attack systems help to mitigate Loss of Control In Flight (LOC-I) events? [Mike Bromfield, Coventry University](#)

11:55 Human performance data collection – lessons learned and future challenges, [Anna Collard-Scruby, NATS](#)

12:15 Discussion

12:30 Just a Minute poster presentations

13:00 Lunch and posters

14:00 Predicting human performance aspects of human error in Fast Jet cockpits, [Will Tutton, Dstl/Coventry University](#)

14:20 Helicopter pilot perception of air traffic controller responsibility, [Dan Martin, Coventry University](#)

14:40 Human performance - international regulatory update, [Kathryn Jones, CAA](#)

15:00 Discussion

15:15 Break

#### Session 2: Is adaptive automation still a useful concept?

15:45 Keynote: Automation, Autonomy and Artificial Intelligence: Where are we, and what does this mean for aviation? [Kathy Abbott, FAA](#)

16:15 Autonomous systems: designing pilots out of the loop or back into the loop? [Fiona Cayzer, BAE Systems](#)

16:35 The STRESS project, [Stefano Bonelli](#)

16:55 A cockpit designer's perspective on adaptive automation, [Sylvain Hourlier, Thales Avionics](#)

17:15 Discussion, followed by drinks reception

19:30 Conference dinner

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09:00 Registration and refreshments

### Session 3: Are we managing fatigue in aviation?

09:30 Keynote: Is Fatigue Risk Management Science working? [Douglas Mellor, FRMSc](#)

10:00 Pilot fatigue: an unmanageable condition, without extreme concessions, [Andy Taylor, TaylAir Aviation and Education Services](#)

10:20 Are we managing fatigue in aviation: a practical examination of Fatigue Risk Management, [Sarah Booth, Clockwork Research](#)

10:40 Discussion

10:55 Break

### Session 4: Where are the human performance limits in remote operations?

11:25 Keynote: The future of remote towers, [Per Ahl, SAAB](#)

11:55 The certification processes of human-computer interaction for multiple remote tower operations, [Desmond Whitty, Irish Aviation Authority](#)

12:15 How real does reality have to be in remote towers? [Jocelyn Clark, NATS](#)

12:35 Discussion

12:50 Lunch

### Session 5: Have maintenance human factors fallen off our agenda?

14:00 Keynote: The Airbus A320 family fan cowl door safety modification: a human factors scenario analysis, [Kyriakos Kourousis, University of Limerick](#)

14:30 Big 5 personality traits and safety in maintenance engineers, [Paul Dickens, Core Aviation Psychology](#)

14:50 Individual latent error detection in UK naval aircraft maintenance, [Justin Seward, Navy Command](#)

15:10 Maintenance observation programme: gaining deeper insight, [Andy Evans, Aerossurance](#)

15:30 Discussion and refreshments

15:50 Closing comments

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### Posters

Aviation maintenance human factors – let's get creative (and disruptive), [Sam Lee, Integra Aerospace](#)

Socio-technical systems design within organisational cultures: addressing growing complexity in the 21st century, [Monica Quercioli, University of Hertfordshire](#)

The management of safety nets and their interdependencies, [Paola Amaldi, University of Hertfordshire](#)

Enhancing pilot training through the use of computer based de-briefing tools, [Jake Snaith, Coventry University](#)

Improving human performance in pressured situations, [Rhian Williams-Skingley, NATS](#)

Maintenance process and practice monitoring - taking human factors to the shopfloor, [James Hayton, Baines Simmons Ltd](#)

Angle of attack displays in the cockpit – are they fit for purpose? [Samuel Everett, Coventry University](#)

Maintenance human factors issues in UK military aviation, [Sarah Weedon, Royal Air Force](#)

Development of human reliability assessment methodology for military aircraft, [Isabel Holtby, Defence Science and Technology Laboratory](#)

Use of touchscreens in a vibration environment, [Louise Coutts, University of Southampton](#)

Illuminating good-practice coping approaches to dealing with fatigue in aviation; the human side of pilot fatigue, [Nick Carpenter](#)

Pilot fatigue management: where to focus more? [Jeffrey Nederend, Amsterdam University of Applied Sciences](#)

Listening and learning, [Andy Evans, Aerossurance](#)