

Aerospace Medicine Symposium



ROYAL
AERONAUTICAL
SOCIETY

ENHANCING AIRCREW PERFORMANCE

LONDON / 5 MARCH 2013



A ONE DAY CONFERENCE

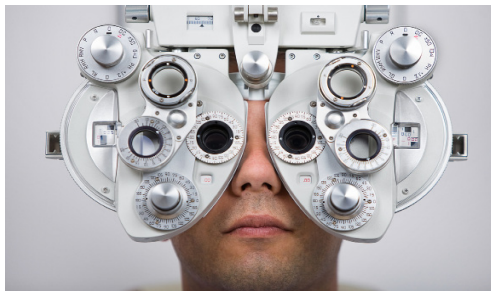
ENHANCING AIRCREW PERFORMANCE

The 2013 Aerospace Medicine Symposium will look to provide an overview of the current and future developments in enhancing human performance in aviation.

The one day programme will cover both medical and technical aspects of enhancing performance in the cockpit (using drugs to optimise performance; surgical procedures to optimise performance; sensors and other technologies to augment / enhance human perception) as applied to military and civilian aviation as well as space flight.

Continued Professional Development Points (CPD) are awarded for attendance.

The Symposium will be followed by the Stewart Lecture which honours the life and work of Air Vice Marshal Stewart. A networking drinks reception will follow, sponsored by Martin Baker.



VENUE

Royal Aeronautical Society
No.4 Hamilton Place
London, W1J 7BQ
T: 44 (0)20 7670 4345

WHO SHOULD ATTEND

- Military and civilian medical practitioners from a diverse background
- General practitioners
- Emergency medicine doctors
- Those working within aviation medicine

Proceedings

Proceedings from this event are free to delegates and will be available online after the conference. Information on past conferences can be found at www.aerosociety.com/proceedings.

Sponsorship & Exhibition

Please contact the Conference & Events Department for details on exhibiting, sponsorship and insertion of information into delegate packs.

Cancellations

In the event of cancellation, terms and conditions will apply. Please go to www.aerosocietychannel.com for more details.

FOR MORE INFORMATION AND TO REGISTER www.aerosociety.com/events

PROGRAMME - 5 MARCH 2013

- 09.15 **Registration and Refreshments**
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- 09.45 **Welcome and Introduction**
Air Cdre The Hon Richard Broadbridge, Chairman, RAeS Aerospace Medicine Group
- 10.00 **(1) Advanced Aircraft Sensory Capability - The Lightning II Aircraft**
Wg Cdr Willy Hackett, UK JSF Requirements Manager, Royal Air Force
- 10.35 **(2) Future Aircraft Visual Systems**
Dr Adrian Ball, Principal Systems Engineer, Dstl
- 11.10 **Networking Coffee Break**
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- 11.35 **(3) Visual Aspects of Advanced Sensors and Sensor Fusion**
Sqn Ldr Peter Morgan-Warren
- 12.10 **Networking Lunch**
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- 13.10 **Introduction to Session Two**
Wg Cdr Nic Green, Consultant Advisor in Aviation Medicine, RAF Centre of Aviation Medicine & Deputy Chairman, RAeS Aerospace Medicine Group
- 13.15 **(4) Rhythms & Space Flight**
Prof Derk-Jan Dijk, Professor of Sleep & Physiology, University of Surrey
- 13.50 **(5) Pharmacological Enhancement of Aircrew Performance**
Dr Claire Turner, Research Scientist, Affective State Limited
- 14.25 **Networking Tea Break**
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- 14.55 **(6) Aircrew Nutrition**
Dr Jo Fallowfield, Head of Applied Physiology, Institute of Naval Medicine
- 15.30 **(7) Physiotherapy Led Aircrew Conditioning Programme**
Flt Lt Ellen Slungaard, Senior Physiotherapy Research Officer, Royal Air Force
- 16.05 **Closing Remarks**
Air Cdre The Hon Richard Broadbridge, Chairman, RAeS Aerospace Medicine Group

16.15 **Close of Conference**

18.00 **AIR MARSHAL STEWART LECTURE**
Aircrew Protective Equipment - A Century of Development
Dr Michael Trudgill, Senior Medical Officer, Royal Air Force Centre of Aviation Medicine

The lecture will look at aircrew protective equipment looking at helmets, clothing and other protective equipment for the military aviator - starting with leather flying caps and a mackintosh.

In addition Dr Trudgill will discuss the equipment used for the protection of airmen, exploring how it has developed from rudimentary outdoors clothing worn by Edwardian pioneers, through to the complex systems employed by present day military aircrew.

