



# Royal Aeronautical Society Human Factors Group And The Ergonomics Society



At  
The Royal Aeronautical Society,  
3 Hamilton Place, London.  
23<sup>rd</sup> February 2000

## Situation Awareness in the "Glass" Cockpit

*Presentation topics are working titles and may change*

### Morning Programme - Identifying the problems

09:30	Welcome and Chair, <b>Captain Jeremy Butler</b> , Chairman, RAeS HFG Committee
10:00	<b>Captain Jim Passmore</b> , British Airways Head Of Safety Situation awareness and EFIS – Is there a problem?
10:30	<b>Professor Mica Endsley</b> , SA Technologies. History and Development of Situation Awareness Research
11:20	Coffee Break
11:40	<b>Mark Hicks</b> , SEA. Situation Awareness during System Failures – conventional and automated failure management
12:15	<b>Ronald van Gent</b> , Head of Human Factors, NLR Human Factors Design issues

12:55 – 13:55 LUNCH

### Afternoon Programme - Investigating the solutions

13:55	Afternoon Introduction, <b>Captain Jeremy Butler</b> , Chairman, RAeS HFG Committee
14:00	<b>Michael Feary</b> , NASA. Vertical Profile Awareness, "Behaviour" v. "System" based vertical navigation systems
14:40	<b>Randy Mumaw</b> , BOEING Human Factors. EFIS Mode and Systems Awareness – Boeing developments in systems awareness technology
15:20	Coffee Break
15:40	Q & A Chaired by <b>Captain Dave Robinson</b> , British Airways
16:15	Close of proceedings

Cost £35 (including buffet lunch)

Pre-registration essential, please contact **Jedda Caldwell** for further information  
0171-499-3515

Registration forms, further information and joining instructions are also available  
from [http://www.raes.org.uk/human\\_factors/menu.htm](http://www.raes.org.uk/human_factors/menu.htm) (Diary page)

# Registration Form

Name: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_ Car Registration: \_\_\_\_\_

Professional background (tick whichever apply):

T/IRE	<input type="checkbox"/>	CRM Developer	<input type="checkbox"/>	Operational Mgmt	<input type="checkbox"/>
CRM Trainer	<input type="checkbox"/>	ATCO	<input type="checkbox"/>	Regulator	<input type="checkbox"/>
Maintenance	<input type="checkbox"/>	Cabin staff	<input type="checkbox"/>	Human Factors	<input type="checkbox"/>
A/C Design	<input type="checkbox"/>	Facilitator	<input type="checkbox"/>	Flight Deck crew	<input type="checkbox"/>

Please return this form with your cheque for £35 to:

*Mrs. Tricia Forrest-Holden, Human Factors Technology Group  
College of Aeronautics, Cranfield Univ. Cranfield  
Beds. MK43 0AL*

Your registration is confirmed when we receive it. If the event is oversubscribed we will advise you as soon as possible if we cannot offer a place - N.B. *The deadline for registration is 7 days before the conference.* Receipts are available at the door on request - they are not available before the conference. Please make cheques for £35.00 payable to the **CRM Working Group**.



## Situation Awareness in the "Glass" Cockpit

### Aim

The use of glass cockpit systems appears to cause specific SA problems with an unpredictable impact on flight crew. A particular example is the effect of LNAV/VNAV latency on approach profiles. This conference aims to look at Situational Awareness issues cast up by EFIS/FMS and related systems from the operational, training and design points of view.

### Background

The conference is a joint venture of the **Royal Aeronautical Society** and the **Ergonomics Society**. It offers a unique opportunity for discussion among flight crew, systems designers and human factors experts from the aviation and ergonomics communities. The speakers panel includes internationally recognized specialists and will be of significant interest to flight deck operational and training staff, ergonomists, CRM developers, applied psychologists and anyone with an interest in human factors hazards.

### For further information

see the HFG web site: [http://www.raes.org.uk/human\\_factors/menu.htm](http://www.raes.org.uk/human_factors/menu.htm),

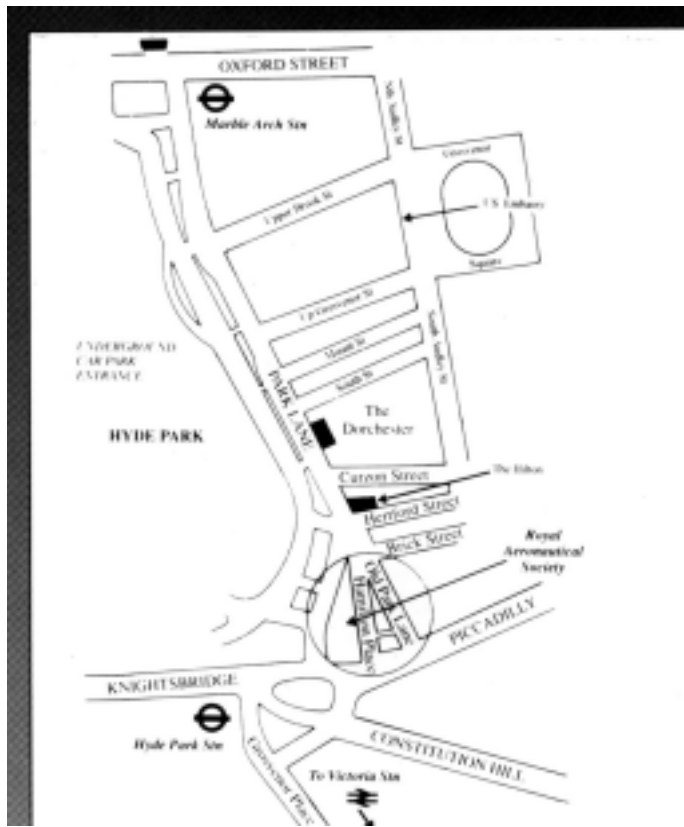
or contact the RAeS Conference Office: ph: +44-171-499-3515, email [jedda.caldwell@raes.org.uk](mailto:jedda.caldwell@raes.org.uk)

### Forthcoming Conferences:

March 23, 2000      **Situational Awareness and EFIS Systems** - This one-day conference by the Avionics Group continues the discussion of SA and the glass cockpit with a look at the technology itself, including

October 18, 2000      **Disruptive Passengers** - Main Conference at RAeS in London in conjunction with the Air Law and Aviation Medicine Groups.

# Joining Instructions



## Venue

Royal Aeronautical Society  
4 Hamilton Place  
London W1.  
Tel: +44-(0)171-499-3515

## How to get there

### *By underground:*

Nearest stations are Hyde Park Corner, Green Park and Marble Arch.

### *By bus:*

Routes 2, 8, 9, 10, 14, 19, 22, 30, 36, 38, 52, 73 and 74 all stop at Hyde Park Corner.

### *Parking:*

Car parking space can be found at the InterContinental Hotel or the NCP Underground Car Park on Park Lane.