



The 12th MIRCE International Symposium *System Operational Effectiveness*

3-5 December 2002, Woodbury Park, Exeter, United Kingdom

DETROIT	SOUTHWEST	1409	3:45P	121	ON TIME
FT LAUDERDALE	SOUTHWEST	1269	4:05P	123	ON TIME
FT LAUDERDALE	SOUTHWEST	270	3:00P	123	CHECK IN
FT MYERS	CONAIR	5091	2:20P	606	CLOSED
DALLAS/FT WORTH	AMERICAN	1281	6:32A	17	ON TIME
HARTFORD	US AIRWAYS	2712	3:35P	82	ON TIME
HARTFORD	DELTA	2318	4:15P	94	ON TIME
HOUSTON	CONTINENTAL	1505	3:15P	6	ON TIME
INDIANAPOLIS	DELTA	2403	4:35P	96	ON TIME
MIRCE	SYMPOSIUM	3-5.12	2002	BOOKING NOW	
KANSAS CITY MO	SOUTHWEST	109	4:35P	122	ON TIME
LONDON HEATHROW	UNITED	918	2:19P	42	BOARDING
LOS ANGELES	DELTA	333	3:25P	73	ON TIME
LOS ANGELES	SOUTHWEST	143	3:40P	126	ON TIME
LOS ANGELES	UNITED	231	4:25P	40	ON TIME
LOUISVILLE	DELTA	2409	2:20P	94	ON TIME
MEMPHIS	NORTHWEST	961	2:40P	36	CHECK IN
MEXICO CITY	AMERICAN	2115	2:55P	13	ON TIME

The main objective of the Symposium is to provide an international platform for the exposure and exchange of advanced concepts, methods, tools, data and techniques among Engineers, Managers, Researchers, Academics, IPT leaders and all other decision makers whose professional responsibilities and expertise lie in creation and support of Operational Success of Systems within the following industries and services:

- | | | |
|----------------------|------------------|-------------------------|
| • aerospace | • health service | • automotive |
| • defence | • transport | • railway |
| • power supply | • distribution | • agriculture |
| • water distribution | • motorsport | • telecommunication |
| • gas supply | • marine | • building/construction |

It is our great pleasure to invite you to join us at this annual International Event. Over a thousand participants, from all continents, have previously come to share the knowledge with keynote speakers, paper and course presenters, with software exhibitors, and above all with each other. All of us have always enjoyed the traditional MIRCE Christmas Dinner when emotions, friendship, fellows, students, partners and celebrities mix with the traditional Christmas food and a drop(s) of red wine.

We hope that you will find the Programme stimulating and that you will be in a position to attend this event and give us the opportunity to serve you with the same level of professionalism and motivation as we have done in the past.

Symposium Programme

Day 1: Tuesday 3rd December 2002

- 08.30 – 09.30 **Registration**
- 09.30 – 10.30 **Opening Address *System Operational Science: Shapes of Life***
Dr J.Knezevic, President of MIRCE Academy, Woodbury, UK.
- 10.30 – 11.00 Coffee / Tea
- 11.00 – 11.40 ***Reality of Life***
Dr Peter Hinds, MoD, Andover, UK.
- 11.45 – 12.30 ***Fault Tree Simulation for System Reliability Estimation***
Professor Ljubisa Papic, DQM Research Center, Cacak, Serbia
- 12.30 – 14.00 Lunch
- 14.00 – 14.40 ***A Bluffer's Guide to Optimisation Techniques***
Shane Targett, TFD Services Ltd, Norwich, UK.
- 14.45 – 15.30 ***Managing the Unmanageable within Reliability centred Maintenance***
Commander Nigel Morris, Royal Navy, Head of Reliability Centred Maintenance,
Warship Support Agency, Bath, UK. and Roger Crouch, Crouch Associates Ltd, Yeovil, UK.
- 15.30 – 16.00 Coffee / Tea
- 16.00 – 16.40 ***The Changing World of Maintenance. RCM2 and the United States Marine Corps***
Jim Gehris, Maintenance Officer, Reliability Centered Maintenance Project Officer, Advanced
Amphibious Assault, Woodbridge, USA
- 16.45 – 17.15 ***Continuous Improvement: Repeating the Process Outline for Enhanced Fulfilment***
Mike Devenney, Sr Project Engineer, DFS Inc, Groveport, USA
- 17.15 – 17.45 ***RCM Applied to the Turboshaft engine of the CH-47D, Chinook Helicopter***
Nancy Regan, President, The Force, Malden, USA

19.00 MIRCE Academy 2002 Lecture
by
Robert A Butler
Systems Exchange/TFD Group, Monterey, USA

Day 2: Wednesday 4th December 2002

- 09.00 – 09.40 **Keynote Address *Outsourcing Defence Support – Sharing the Risks of the Operational Chain***
Air Vice-Marshal (Rtd) Graham Skinner, Visiting Professor of Cranfield University, UK.
- 09.45 – 10.30 ***Defence Logistics Business Systems: The Need to Focus Design on the In-Service Operational Support Phase***, Ian Jackson, SPIRENT Systems Aerospace Solutions, West Drayton, UK.
- 10.30 – 11.00 Coffee / Tea
- 11.00 – 11.40 ***Cost Prediction: Searching for Certainty in Uncertainty***
Clive Nicholas, MIRCE Academy, UK.
- 11.45 – 12.30 ***ISO/IEC 15288 Systems Engineering: System Life Cycle Processes An Opportunity beckons...***
Kevin McCann, Manager Through Life Support, QinetiQ, Malvern, UK.
- 12.30 – 13.45 Lunch
- 14.00 – 14.40 ***A Journey of a Thousand Miles Begins with the First Step – and so does Falling off a Cliff***
Mike Organ, Works Engineer, Albright & Wilson, Widnes, UK.

- 14.45 – 15.25 ***Failure Analysis: a Few Personal Examples***
Professor John Henshall, Mechanical & Manufacturing Eng.Dep.Notttingham Trent University, UK.
- 15.30 – 16.00 Coffee / Tea
- 16.00 – 17.30 ***Workshop: Simulation in System Operational Science***
Dr John Crocker, Consultant, Data Systems & Solutions, Bristol, UK.
- 18.00 – 19.00 ***Visit to Nigel Mansell World of Racing.***
- 19.30 Sherry Reception

12th MIRCE Traditional Christmas Dinner

The MIRCE Akademy Fellowship awards to be presented by
Nigel Mansell OBE, Grand Fellow of the MIRCE Akademy

After Dinner Speaker: Polly Vacher Aviatatrix

MIRCE Akademy is one of the major sponsors of VTTI a record breaking solo flight by a woman in a Single Engined Piper Dakota, around the world via

Thursday 5th December 2002

- 09.00 – 09.40 **Keynote Address** by Aslam Chaudry, Chief Engineer LSA, Vickers Defence Systems, Leeds, UK.
- 09.45 – 10.30 ***Impact of Extreme Operational Conditions on Light Aircraft Logistical Support Resources***
Jürgen Gross, MIRCE Akademy, UK.
- 10.30 – 11.00 Coffee / Tea
- 11.00 – 11.40 ***Performance Based Supportability***
Charlie Coogan, Acquisition Logistics Engineering, Columbus, Ohio, USA.
- 11.45 – 12.30 ***Impact of Extreme Environment Conditions on Light Aircraft Reliability***
Claude Hirtz, MIRCE Akademy, Woodbury, UK.
- 12.30 – 13.50 **Lunch Presentation:** Health Logistics by Mikko Salminen, Jyvaskyla, Finland
- 14.00 – 14.40 ***When “If it ain’t broke, don’t fix it” may not be the best Policy***
Dr John Crocker, Consultant, Data Systems & Solutions, Bristol, UK.
- 14.45 – 15.25 ***Generic Approach to the Structuring of Whole Life Costing Data for the Construction Industry***
Mohammed El-Haram, Civil Engineering Department, University of Dundee, UK.
- 15.30 – 16.00 Coffee / Tea
- 16.00 – 16.30 ***FMECA: Blessing or Curse?***
Vaughan Russon, MIRCE Akademy, Woodbury, UK.
- 17.15 – 17.45 ***Training for Effective Disaster Management***
Dr R L P Hodgson, Honoray Fellow, School of Eng. & Computer Science, University of Exeter, UK.
- 17.45 – 18.15 *Modelling of Time at the Moment of Failure and Failure Service in Bus Transportation Systems***
Ivan Blagojevic and Prof.Gradimir Ivanovic, Faculty of Mechanical Engineering, Belgrade, Yugoslavia.

Looking forward to seeing you at the Woodbury Conference Centre in December 2002, where the System Operational Success is clearly visible through the achievements of its owner, the great F1 and Indy champion Nigel Mansell, and where System Operational Science originated under the banner of the MIRCE Akademy.

ENROLMENT FORM

Surname:

First name: Title:

Organisation/Company:

Job Title/Position:

Work Address:

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E-mail:

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Telephone: Fax:

E-mail:

To which address would you like correspondence sent? Home ☐ Work ☐

Do you have any special dietary or disability requirements? Yes ☐ No ☐

Please specify:

Payment Details:

Credit Card: ☐ Visa ☐ Master Card ☐ American Express

Card No: Card Holder's Signature:

Expiry Date: Card Holder's Name (Please Print):

☐ I enclose a Cheque for: £ made payable to the MIRCE Akademy

☐ Please send me an invoice to the following address Purchase Order No:

I wish to attend the Symposium and have read the Terms & Conditions

Signature: Date:

(Full joining instructions will be forwarded to participants two weeks before the event)

Please Photocopy the Enrolment Form as necessary.

Please complete the enrolment form and return to:

Symposium Office, The MIRCE Akademy, PO Box 198, Exeter EX2 7YX, UK.

Phone + 44 (0) 1395 233 856 Fax: + 44 (0) 1395 233 899 email: mirce@mirce.com

Terms & Conditions

Fees will be refunded only if the Symposium is cancelled or if the cancellation of enrolment is received in writing at least 14 days before its start.

The organisers reserve the right to alter the schedule or cancel the event at its discretion. All places are offered subject to availability.

The organiser is unable to accept any liability for personal accident or the loss of, or damage to, the belongings of those attending this symposium.

Substitution of participants may be made at any time

Accommodation:

Participants must make their own arrangements. Since the Symposium is being held at Woodbury Park, a block of rooms is available at the Woodbury Park Hotel at special rate.

Bookings should be made directly by ringing +44 (0) 1395 233 382 referring to the MIRCE Akademy rate. Rooms are retained for participants until two weeks before the Symposium.

A list of other accommodation in the area is available on request.

Package	Fee	VAT	Total Fee
Participant (full programme and Christmas Dinner)	£ 575	£ 100.63	£ 675.63
Paper Presenter (full programme and Christmas Dinner)	£ 375	£ 65.63	£ 440.63
Participant (one day registration)	£ 195	£ 34.13	£ 229.13
Paper Presenter (one day registration)	Not Applicable		
Christmas Dinner Attendance Only	£ 45	£ 7.87	£ 52.88
MIRCE Akademy 2002 Lecture	Not Applicable		
MIRCE Akademy Fellows (full programme and Christmas Dinner)	£ 495	£ 86.63	£ 581.63
MIRCE Akademy Students (full programme and Christmas Dinner)	£ 295	£ 51.63	£ 346.63
MIRCE Akademy 2002 Fellowship Recipient Christmas Dinner	Not Applicable		