



Mirce
Akademy

14th International MIRCE Symposium

Effective System and Process Management

Methods, Equipment and Software

1 – 3 December 2004
Woodbury Park, Exeter
United Kingdom

*Featuring Workshops by
Leading Practitioners*

System Through Life Cost Management

presented by

Ian Bennett

Director, Tribal Government Consulting

Managing the Integrated Logistic Support (ILS) Process

presented by

Barry de Beer

Mirce Akademy

Software and
Tools Exhibitors
including

**Advantage Business
Solutions**

**BAE SYSTEMS – Design
Services**

**BMT Reliability
Consultants**

Clockwork Solutions

**Data Systems and
Solutions**

Relax Software

**Mirce Reliability
Laboratory**

Register Now

Online www.mirce.com
Fax +44 (0) 1395 233 899
Phone +44 (0) 1395 233 856



The 14th International MIRCE Symposium

1 – 3 December 2004

The Symposium

Effective System and Process Management

Methods, Equipment and Software

The Symposium will provide a unique forum to update knowledge, share best practice and stimulate new ideas in System and Process Management. It is made up of keynote speakers, presentations, discussions, networking events, technical visit and an exhibition of software and other tools.

It has been devised for professionals in industry, services, government, academia, and other sectors, who are involved in the following areas of System and Process Management –

- Specification and Requirements
- Design and Development
- Manufacturing and Construction
- Acquisition and Procurement
- Operation, Scheduling and Planning
- Maintenance and Safety
- Logistics and Support
- Costing and Budgeting
- Contracting

Benefits

- **Speakers from Leading Industrial and Government Organisations**
- **Exhibition of Software and Other Tools**
- **Access to Experts**
- **Cutting-Edge Workshops**
- **Latest Developments**
- **Cross-Industry Best Practice**
- **Professional Development**
- **Networking Opportunities**
- **Round Table Discussion**

Cost

The full Symposium Package includes – Presentations and Proceedings, Annual Lecture, Workshops, Exhibition, Technical Visit, Lunches and Light Refreshments, Symposium Christmas Dinner and Awards Ceremony.

The cost of the full Symposium Package is just £495-00 + VAT per person. Special rates apply for Presenters and Students. See Registration Form for full details.

Group Discounts are available – please contact the MIRCE Akademy for details.

Wednesday 1st December 2004

08.30 – 09.30	Registration and Coffee
09.30 – 09.45	Welcome
09.45 – 10.30	Keynote Address System Supportability Engineering means SMART ILS, Mark Willis , Systems Engineering Manager – Project Division, HVR Consulting Services
10.30 – 11.00	Morning Coffee
11.00 – 13.00	Presentations – Cost and Effectiveness
11.00 – 11.45	Life-Cycle Costing – The Integrated Way, Jason Mitchell , Research and Development Manager, Logistics Business Systems
11.45 – 12.30	Scoring the Goal – Reliability, Availability and Effectiveness Measures, Alec Campbell , Defence Logistics Organisation, UK Ministry of Defence
12.30 – 13.00	Measurement of Logistics System Performance, Rados Popadic , System Operational Manager, JP PTT
13.00 – 14.00	Lunch
14.00 – 15.30	Presentations – Tools and Methods
14.00 – 14.30	Effective Process Creation and Management Using QMAP Advantage Business Solutions
14.30 – 15.00	Dynamic Support Business Modelling Using Object-Orientated Software BAE Systems – Design Services
15.00 – 15.30	Performance Based Logistics (PBL) Modelling BMT Reliability Consultants and Clockwork Solutions
15.30 – 16.00	Afternoon Tea
16.00 – 17.30	Presentations – Tools and Methods
16.00 – 16.30	Forecasting Methods using MEAROS and PSALMS Data Systems and Solutions
16.30 – 17.00	Enterprise Integration Relax Software
17.00 – 17.30	Reliability Dimensions Mirce Reliability Laboratory
18.30 – 19.00	Welcome Reception
19.00 – 20.30	The Mirce Akademy 2004 Annual Lecture

The Mirce Akademy 2004 Annual Lecture

Voyage to the Ice – The Ultimate Challenge

Polly Vacher MBE

Grand Fellow of the Mirce Akademy

The First Woman to fly solo

- *in a single engine light aircraft over the North Pole*
- *in a single engine light aircraft in Antarctica*
- *around the world via all seven continents*

Polly Vacher, distinguished aviatrix, will share her experiences in attempting to become the first person to fly a single engine light aircraft solo around the world via both poles in aid of Flying Scholarships for the Disabled, a charity that gives disabled people the opportunity to rebuild their lives through flying. The Voyage to the Ice challenge was proudly sponsored by the Mirce Akademy.

The 14th International MIRCE Symposium

1 – 3 December 2004

Thursday 2nd December 2004

	Keynote Presentation Reliability Centred Maintenance
09.00 – 09.45	Wing Commander David Appleton , RCM Group, Defence Logistics Organisation, UK Ministry of Defence
09.45 – 10.30	Reliability of Repairables in Store After Workshop Repair – Effect On Support Costs, John Thompson , Supportability Engineer, Westland Helicopters
10.30 – 11.00	Morning Coffee
11.00 – 13.00	Presentations – Human Factors
11.00 – 11.45	Human Error in the Maintenance Process Clive Nicholas , Director, Mirce Akademy
11.45 – 12.30	Human Error Analysis in Maintenance Simon Gill , Specialist Human Factors Researcher and Consultant
12.30 – 13.00	Effective Strategies for Managing Human Error in Maintenance, Presenter tba
13.00 – 14.00	Lunch
14.00 – 17.30	Workshop
14.00 – 15.30	Managing the Integrated Logistic Support (ILS) Process presented by Barry de Beer , Mirce Akademy. <i>A full description of the workshop is provided on the reverse of the brochure.</i>
15.30 – 16.00	Afternoon Tea
16.00 – 17.30	Managing the Integrated Logistic Support (ILS) Process (continued).
18.00 – 19.30	Technical Visit F1 System and Process Management presented by Dr J Knezevic, President, Mirce Akademy, in the Nigel Mansell World of Racing
19.30	Sherry Reception
20.00 – 23.00	Mirce Traditional Christmas Dinner Fellowship and Formula1 Reliability and Effectiveness Awards

Friday 3rd December 2004

09.00 – 13.00	Workshop
09.00 – 10.30	System Through Life Cost Management presented by Ian Bennett , Director, Tribal Government Consulting. A full description of the workshop is provided on the reverse of the brochure.
10.30 – 11.00	Morning Coffee
11.00 – 13.00	System Through Life Cost Management (continued)
13.00 – 14.00	Lunch
14.00 – 14.30	System Operational Analysis through Simulation, Steven Robb , ILS Engineer, BAE SYSTEMS Avionics
14.30 – 15.00	Benchmarking Fleet Forecasts, Dr John Crocker , Consultant, Data Systems and Solutions
15.00 – 15.30	Managing System Corrosion, Francis Chinyama , Mirce Akademy
15.30 – 16.00	Afternoon Tea
16.00 – 17.00	Open Round Table Discussion
17.00	Close

The Venue

The Symposium will be held at **Woodbury Park**, which is approximately eight miles from Exeter by road.

Communication between Exeter and other parts of the United Kingdom are excellent. By road, the M5 motorway links Exeter to London, the Midlands, Scotland and Wales. Regular rapid coaches run services to and from London and Heathrow Airport. By rail, a regular fast service is available to and from Exeter (St David's Station) and London (Paddington Station). By air, Exeter Airport offers regular flights to many British and Continental destinations and is situated near to Woodbury Park. Travel between Exeter and Woodbury normally requires a car or taxi.

Delegates are responsible for the arrangement and payment of their own travel and accommodation. Delegates wishing to take advantage of preferential room rates should contact Woodbury Park Hotel Reservations quoting 'MIRCE'.

A list of alternative accommodation in other hotels and guesthouses in the vicinity is available from MIRCE Akademy on request.

Woodbury Park, Woodbury, Exeter, EX5 1JJ, United Kingdom

+44 (0) 1395 233 382

+44 (0) 1395 233 384

Fellowship and Formula 1 Reliability and Effectiveness Awards 2004

The Mirce Akademy Fellowship Awards

and

F1RE Centre Driver and Team Reliability
Championship Awards 2004

will be presented by

Nigel Mansell OBE
Grand Fellow of the Mirce Akademy

Further Information on the Symposium

Contact the Mirce Akademy

+44 (0) 1395 233 856

+44 (0) 1395 233 899

mirce@mirce.com

www.mirce.com

Symposium Exhibition of Software and Tools

The Exhibition Area will be open throughout the Symposium where experts from a range of leading software and consultancy companies will be available to demonstrate their products, to discuss specific applications, and to answer questions.

Featured Workshops

Managing the Integrated Logistic Support (ILS) Process Presented by Barry de Beer, Mirce Akademy

Increased customer expectations and intense competition in the ILS industry means that ILS professionals are under growing pressure to provide supportability deliverables including cost analyses in shorter times without compromising on accuracy. This workshop has been designed to support ILS engineers and Integrated Product Team (IPT) ILS specialists through a full range of logistics analyses.

The workshop leads participants through various disciplines and cost prediction based on ILS engineering principles and activities. It will cover a wide range of calculations and analyses, including the FMECA process, RCM worksheets, Spares, Maintainability, Availability, FRACAS, LORA, Tools and Support Equipment, PHS&T and ILS Element Budgeting (Manpower, Tools, Facilities etc.) using a unique spreadsheet package designed to solve everyday ILS problems and achieve supportability results more quickly and easily. The spreadsheet analysis is based on current **UK DEF STAN** and **USA MIL-STDs**.

Barry de Beer

Barry de Beer is a Mechanical Engineer with over 30 years of experience in the ILS industry. Following his Mechanical Engineering Degree he studied for a Diploma in Systems Engineering and Acquisition under Professor A. D. Sparrus at Pretoria University. He also holds the Management Development Diploma (MDP) from the University of South Africa. He has worked as a Logistics Project Manager for the defence industry in various countries worldwide, including South Africa, the UK and the Middle East. In the UK he has been an ILS Engineer on the Logistic Information Technology System (LITS) for the RAF. He was the ILS Consultant on the Apache Helicopter for Aerospace International and currently works for Thales Optronics as an ILS consultant on a number of international projects.

System Through Life Cost Management Presented by Ian Bennett, Director, Tribal Government Consulting

System Through Life (or whole life) Cost Management is now a critical element in the acquisition and through life management of defence and other equipment. This session has been designed to examine the practical application and implementation of Through Life Cost Management. Based on best practices developed as a result of work with the UK Ministry of Defence, this session will explain the concepts of Through Life Cost Management, demonstrate how these have been applied in practice and will show how Through Life Cost Management relates to wider budgetary and management practice. Topics covered will include –

- Cost in UK Ministry of Defence through life management
- Through life cost and project management
- Planning, budgeting, and other costing processes
- Cost-based decision-making and management
- Use of appropriate tools and techniques
- Lessons learned and future developments

Ian Bennett

As consulting team leader, Ian was instrumental in the development and implementation of Whole Life Costing and Cost Management processes within the UK Ministry of Defence. This project links the Through Life Management processes of Smart Acquisition with the financial reforms introduced by Resource Accounting and Budgeting across central government. The project won a Minister of Defence Procurement Award for Smart Acquisition in 2002. Ian is a Director of Tribal Government Consulting, specialising in financial management and change management in the public sector. Ian has worked on a series of financial and change management projects in MOD over the past eight years. He is currently working on assignments in the MOD and the Home Office.