



MIRCE
Akademy

15th International MIRCE Symposium

Methods for Accurate Cost Prediction for Contractor Logistic Support (CLS)

30 November – 2 December 2005
Woodbury Park, Exeter
United Kingdom

An Integrated Programme
presented by researchers,
developers and practical users
led by **Dr Jezdimir Knezevic**

Compatible with current
National and International
Industrial and Defence
Standards and Procedures

*Are you tired of the
same old talk?*

*Are you ready for
action?*

Then this
Symposium is for
you

We have radically overhauled
the format of the Symposium to
provide an integrated
programme that presents
methods for accurately
predicting CLS Cost.

Using science-based methods
you will learn how to –

- develop CLS cost predictions
from engineering
relationships
- analyse predictions for CLS
cost reduction
- evaluate CLS cost
predictions for decision-
making
- manage CLS cost

Register Now

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



***New Format
Symposium***

The 15th International MIRCE Symposium

30 November – 2 December 2005

The Symposium

Methods for Accurate Cost Prediction for CLS

The Symposium will provide a unique opportunity to learn how to apply Methods for Accurate Prediction of CLS Cost.

The Symposium is presented as an integrated programme of practical sessions that present science-based methods through can be applied through all phases of the design process to predict and reduce CLS Cost. A team made up of developers of the methods and current users will lead the sessions.

It has been devised for professionals in industry and governmental defence agencies that are involved in the CLS Cost Prediction process through –

- Specification and support concept
- Developing data
- Building cost models
- Making cost predictions
- Analysing and managing cost
- Identifying cost reduction opportunities
- Continuously evaluating cost predictions

Benefits

- reduce reliance on guesswork, rules-of-thumb and predictions made only on past data alone
- acquire proven knowledge of the processes, resources and relationships that drive CLS cost
- learn the mechanics of the methods from expert developers and users in industry
- see how the methods can be built into linked Excel spreadsheets
- apply the methods to practical CLS prediction to enable simultaneous iteration as the design progresses
- use the methods for CLS cost evaluation, reporting and reduction

Cost

The full Symposium Package includes – All Sessions, Supporting Materials, Technical Visit, Annual Lecture, Lunches and Light Refreshments, Symposium Christmas Dinner and Awards Ceremony.

The cost of the full Symposium Package is just £695-00 + VAT per person.

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

Wednesday 30 November 2005

08.30 – 09.00	Registration
	Session 1
09.00 – 10.45	CLS Cost in the System Engineering Process
10.45 – 11.00	Morning Coffee
	Session 2
11.00 – 12.45	CLS Cost in the System/Fleet Operational Process
12.45 – 13.45	Lunch
	Session 3
13.45 – 15.30	System Design & Architecture Functionability, Durability, Reliability
15.30 – 15.45	Afternoon Tea
	Session 4
15.45 – 17.30	System Failures Management Causes, Modes, Consequences, Criticality, Prevention and Control (FCA, FMECA, RCM, FRACAS)
19.00 – 20.30	The Mirce Akademy 2005 Annual Lecture

The MIRCE Akademy 2005 Annual Lecture

Prognostics and Health Monitoring

Professor Michael Pecht

CALCE Electronic Products and Systems (EPSC), University of Maryland, USA.

Over the last 15 years, under the leadership of its Founder - Professor Michael Pecht, - the CALCE (EPSC) has invested over \$50 million in developing methodologies, models, and tools that address the design, manufacture, analysis, and management of electronic products. CALCE EPSC is now recognised as a founder and driving force behind the development and implementation of physics-of-failure approaches to reliability and life cycle prediction, as well as a world leader in accelerated testing, failure analysis, and electronic parts selection and management. CALCE EPSC is currently at the forefront of international standards development and chaired the development of IEEE 1413 and 1413.1 product reliability standards. Over the last year, CALCE EPSC has conducted more than 200 reliability analysis investigations and assessments for over 100 electronics companies using our expertise, our state-of-the-art equipment, and our virtual qualification and reliability assessment software

Michael Pecht has a BS in Acoustics, an MS in Electrical Engineering and an MS and PhD in Engineering Mechanics from the University of Wisconsin. He is a Professional Engineer, an IEEE Fellow, an ASME Fellow, and a Westinghouse Fellow. He has written thirteen books on electronic products development and consulted for over 80 major international electronics companies, providing expertise in strategic planning, design, test, IP and risk assessment of electronic products.

The 15th International MIRCE Symposium

30 November – 2 December 2005

Thursday 1st December 2005

	Session 5
09.00 – 10.45	System Maintenance Management <ul style="list-style-type: none">▪ Task Analysis: Scheduled, Unscheduled and Conditional▪ Level of Repair Analysis (LORA)
10.45 – 11.00	Morning Coffee
	Session 6
11.00 – 12.45	System Support Management <ul style="list-style-type: none">▪ Support and Test Equipment▪ Packaging, Handling, Storage and Transportation
12.45 – 13.45	Lunch
	Session 7
13.45 – 15.30	System / Fleet Support Management <ul style="list-style-type: none">▪ Spares Planning, Scaling and Distribution
15.30 – 15.45	Afternoon Tea
	Session 8
15.45 – 17.30	System / Fleet Support Management <ul style="list-style-type: none">▪ Personnel and Training
	Technical Visit F1 System and Process Management presented by Dr J Knezevic, President, MIRCE Akademy, in the Nigel Mansell World of Racing
18.00 – 19.30	
19.30	Sherry Reception
20.00 – 23.00	MIRCE Traditional Christmas Dinner Fellowship and Formula1 Reliability Championship Awards

Friday 2nd December 2005

	Session 9
09.00 – 10.45	CLS Cost Prediction Method <ul style="list-style-type: none">▪ Compliance with current Industrial and Defence Standards and Procedures
10.45 – 11.00	Morning Coffee
	Session 10
11.00 – 12.45	CLS Cost Prediction Method <ul style="list-style-type: none">▪ Analysis▪ Evaluation▪ Reduction▪ Management
12.45 – 13.45	Lunch
13.45 – 15.30	Open Forum and Feedback
15.30 – 15.45	Afternoon Tea
15.45 – 16.00	Close and Departure

The Venue

The Symposium will be held at **Woodbury Park Hotel, Golf and Country Club**, 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'.

Woodbury Park Hotel, Golf and Country Club, Woodbury, Exeter, EX5 1JJ, United Kingdom

Tel +44 (0) 1395 233 382
Fax +44 (0) 1395 233 384
Email enquiries@woodburypark.co.uk
Web www.woodburypark.co.uk

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

Formula 1 Reliability Championship Awards 2005



F1RE Centre Driver and Team Reliability
Championship Awards for 2005 F1 Season

presented by

Nigel Mansell OBE
Grand Fellow of the MIRCE Akademy

Further Information on the Symposium

Contact the MIRCE Akademy

Tel +44 (0) 1395 233 856
Fax +44 (0) 1395 233 899
Email mirce@mirce.net
Web www.mirce.com

15th International MIRCE Symposium 2005 Registration

THIS FORM MAY BE
PHOTOCOPIED

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 Phone +44 (0) 1395 233 856
 Mail MIRCE Akademy, Woodbury Park, Woodbury, Exeter, EX5 1JJ, United Kingdom
 Online www.mirce.com

SYMPOSIUM PRICES (in GB Pounds £)

Package	✓	Fee	VAT	Payable
Full Three Day Symposium Programme and Supporting Events 30 November – 2 December		695.00	121.63	816.63
Fellows of the MIRCE Akademy		595.00	104.13	699.13
Students of the MIRCE Akademy		395.00	69.13	464.13
Two Day Programme Wednesday 30 November and Thursday 1 December		595.00	104.13	699.13
One Day Programme Wednesday 30 November Only		395.00	69.13	464.13
One Day Programme Thursday 1 December Only (excludes Symposium Dinner and Awards – see below)		395.00	69.13	464.13
Other Rates				
Symposium Christmas Dinner and Awards Ceremony Only		42.55	7.45	50.00
MIRCE Akademy Annual Lecture		No Fee Payable		

Terms and Conditions

Substitution of participants may be made at any time. If you intend to do this, please advise the MIRCE Science ('the organiser') as soon as possible. Cancellation of a booking must be received in writing by the organiser at least 14 days before the commencement of the Symposium. MIRCE Science regrets that no refunds or credits will be made after the deadline unless the Symposium is cancelled by the organiser. The organiser reserves the right to alter the programme or cancel the Symposium at its discretion. All places offered are subject to availability.

PAYMENT DETAILS

Please invoice my organisation
 (Note: UK MOD personnel can pay by BACS through the DBA – Contractor No. will be supplied with invoice)

For the attention of _____

Purchase Order No. _____

Please find enclosed a cheque for £ _____
 (made payable to MIRCE Science)

Please charge credit card

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Cardholder's Signature _____

PERSONAL DETAILS

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First name _____

Position _____

Department _____

Organisation _____

Address _____

Postcode _____ Country _____

Tel _____ Fax _____

E-mail _____

Home Address _____

Tel _____ Fax _____

E-mail _____

Address for correspondence Home Work

Special requirements Yes No

Please specify _____

I understand and accept the registration terms and conditions as shown

Signature _____ Date _____

VALUE ADDED TAX (VAT)

Unless special exemption exists, under UK Customs and Excise regulations delegates from all countries are required to pay UK VAT @ 17.5% on all courses taking place in the UK. Non-UK delegates may be able to recover VAT incurred via the relevant tax authority in the country of origin of the delegate.