



INCOSE UK Newsletter

Abingdon, the oldest continually inhabited town in England, since the seventh century in fact. MG produced cars here for 50 years until 1980. Its abbey was larger than Westminster. The most important thing about Abingdon though, as far as I'm concerned, is that it is the location of this year's Autumn Assembly. You should have had the flyer by now. Attend and be entertained and educated. The after-dinner speaker this year is Professor John Boardman who, I understand, is delighted to be speaking to us.

Another matter of concern to INCOSE members in general is the election of the new president, not the UK chapter but world-wide. As you will read in the next article Heinz Stoewer is a candidate and I agree with Peter Lister that he would make an excellent president, especially as far as a European presence is concerned.

Lastly I would like to issue a reminder to all members to keep us up to date with your contact details, every now and again I get newsletters returned labelled "not at this address". The better informed we are, the more efficient we can be.

Guy Tugwell
CMC Chairman

Ballot for INCOSE Directors

If you have renewed your membership this year, you should have received a ballot form from INCOSE Central Office. If you haven't done anything with it, then please make sure that you cast your vote.

There are two important points to consider. The first is whether to agree to the changes in the Board of Directors structure for INCOSE. The measures are designed to reduce the size of the BoD and to extend the term of INCOSE President to 2 years. The UK Chapter has (as usual) led the way with 2 year Presidential terms since Allen Fairbairn held the Presidency of the UK Chapter for

1998 and 1999. The problem with one year terms is that no sooner has the incoming president worked into the role than it is time for the successor to take over.

I know that many of you do not find the bureaucratic side of INCOSE terribly interesting, but it is important for all of us that it works efficiently at both Chapter and International level. I have no hesitation in recommending that you agree to both resolutions presented on the ballot paper.

The other point to consider is the role of INCOSE President, for which there are two candidates. Heinz Stoewer is the first non-US person to stand for President. He has been a strong advocate for a genuinely International outlook for INCOSE and has consistently encouraged members from Region 3 (Europe) to get involved with the Technical Committee and Working Groups. I think that he would make an excellent President, being very good for INCOSE as well as ensuring that the growing INCOSE presence in Europe is fully recognised at the very top of the organisation.

The deadline for ballots to arrive at the INCOSE Office is November 15th, so whatever your choice don't delay. Make sure that your vote counts.

Peter Lister
President of the UK Chapter

Membership Matters

After a brisk start to the renewal season, membership renewals have slowed to their usual trickle. By the end of June 2001, our membership had reached just over 400 - an all time high. We would like to see the membership increase still further this year, and it is pleasing to see that there is a steady trickle of new members coming along. Those who have not yet renewed for 2001/2 will begin to miss the SE Journal and Insight because

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INCOSE Central 'drops' members who have not renewed by the end of August.

Fortunately there is a simple solution to this problem; just forward a cheque for £60 to John Mead made out to 'INCOSE UK' and include a note of your name and membership number. Alternatively, fill out the Direct Debit mandate that was sent out with your renewal letter (or request another copy from John Mead if you have mislaid the renewal letter). This will ensure that you are never without the latest copy of Insight or the SE Journal.

We have a policy of sending out the Newsletter to current, past and potential future members of INCOSE within the UK Chapter. We have recently rationalised our address list so that those who last paid membership fees at the 1999 renewal will no longer receive the Newsletter. If a colleague complains to you that they are not getting the INCOSE UK Newsletter then you can tell them that a cheque to John Mead will rectify the situation!

Contact John Mead at 20 Beehive Lane, Binfield, Berks, RG12 8TU.

INCOSE 2002 REGISTRATION ANNOUNCEMENT

Do you want to utilize 2001 budget funds to register for INCOSE 2002? You can!

Special arrangements can be made by contacting Professional Conference Management, Inc. (PCMI) at pcminc@pcmisandiego.com, telephone +1 858 565 9921.

Official INCOSE 2002 registration opens March 25, 2002. Please check the INCOSE web site in early March for full program and registration details.

INCOSE 2002 will be held July 28 - August 1, 2002 at The Riviera Hotel in Las Vegas, Nevada, U.S.A.

INCOSE 2002 key upcoming dates:

Tutorial Proposals are due October 29, 2001

Panel Proposals are due November 16, 2001

Draft Technical Papers are due November 27, 2001

Exhibit space selection opens January 7, 2002.

Visit <http://www.incose.org/symp2002/>.

[News Item for IEE Systems Engineering Professional Network Web Site](#)

[UCL MSc Course Accredited as SARTOR Matching Section for CEng.](#)

The MSc Course on Defence Systems Engineering at University College London (UCL) has been approved by the Institution of Mechanical Engineers as a Matching Section which fully meets the academic requirement for SARTOR 3 registration as a Chartered Engineer. The MSc Course has been taught for the past ten years by

the Defence Engineering Group at UCL and this accreditation will provide a route for future graduates to achieve CEng status. The IMechE approval is subject to a satisfactory report on the administration and organisation of the range of undergraduate courses in Mechanical Engineering at UCL, which fall due for re-assessment in early November 2001.

Professor Ken Hambleton, (k_hambleton@meng.ucl.ac.uk) a leading figure in the Defence Engineering Group at UCL over the past decade, believes that this has at least two important implications for Systems Engineering. Firstly, it is thought to be the first generic post-graduate course on Systems Engineering to be accredited by a Professional Engineering Institution. Secondly, it demonstrates that the Institution of Mechanical Engineers has clearly recognized the value of Systems Engineering as a legitimate and valuable engineering discipline, worthy of professional engineering status. It is hoped that, following the example of the Institution of Mechanical Engineers, other Institutions such as the IEE will now recognize this course as a pioneering academic activity in the increasingly important multi-disciplinary field of Systems Engineering and also award it SARTOR 3 Matching Section status.

Further information on the content and syllabus of the Systems Engineering MSc at UCL can be obtained from Mr Ian Holder, who has been involved in the course since its inception in 1991, at i.holder@meng.ucl.ac.uk.

CALL FOR PAPERS AND TUTORIALS

INCOSE UK SPRING SYMPOSIUM - 8 to 10 APR 02

"TRIPLE SE" – SAFE AND SECURE SYSTEMS ENGINEERING

Since the terrible events of 11 Sep 01, the world has faced a much more uncertain future. Routine travel throughout the world by air, which has hitherto been taken for granted, has become a major source of concern. This has not only caused a major re-assessment of the security and safety of air travel, but the certainties surrounding many other aspects of our ever-more interconnected life have been called into question. A number of recent public inquiries into major incidents have referred to a failure of systems as a prime contributory factor.

In getting to the root of these kinds of issues we need to take into account all dimensions of the problem – people, both operators and customers, technology, organisation, environment etc – in other words, the kind of holistic approach that Systems Engineering is well placed to provide. The Spring Symposium for 2002 will therefore have as its theme "Triple SE" – Safe and Secure Systems

Advertise in INCOSE UK Newsletter

Do you want to contact over 300 Systems Engineers in the UK and Europe?

Place an advertisement in the INCOSE UK Newsletter. At £100 for a full page, £50 for a half page (using your copy) it costs less than the postage for your own mail shot.

We can also stuff your flyers with our Newsletter (charges dependent on impact on postage costs). We can negotiate reduced rates for educational or non-profit making bodies.

Remember that we will publish a listing of your forthcoming event absolutely free.

Contact the Editor (Guy Tugwell) or INCOSE UK Administrator (John Mead) with your requirements.

- Transport safety – air and rail in recent memory, but also road and sea
- Equipment safety – increasing awareness of safety issues at work and in domestic settings, MOD equipment safety cases
- Environmental safety – oil and gas exploration, nuclear waste, foot and mouth cattle disposal
- Electronic security – electronic banking, e-business and the internet, encryption, electronic signatures, information warfare, viruses
- Balance between freedom and openness, and security – cheap, accessible travel versus safety and security; open access to information versus information security and need-to-know protection
- Inter-connectivity and its vulnerabilities – lean supply chains, the petrol strikes, supermarket supply systems

We plan to follow the successful format of previous years for this event. Monday 8 Apr will be devoted to tutorials – both full day and half day. Papers will be presented on Tuesday 9 and Wednesday 10 Apr in a number of themed tracks. There will be a dinner on the Tuesday evening.

Engineering. The following indicate the kind of subjects that members might wish to address.

Call for Papers		Call for Tutorials	
14 Dec 01	Submission of paper synopses	14 Dec 01	Outline tutorial proposals
25 Jan 02	Final date for submission of papers	25 Jan 02	Detailed tutorials proposals
Feb 02	Review and selection of papers		
1 Mar 02	Announcement of selected papers		

INCOSE –Thames Valley

As many of you will know we have a number of regional centres in UK holding local events. These include INCOSE South in Hampshire, INCOSE Scotland, and Bristol and there is a plan to start a Thames Valley 'Group'. On Wednesday 31st of October a number of us are going to visit AWE at Aldermaston to see how they do System Engineering. It is at the kind invitation of Garry George, who as busy as he is has laid out a whole day programme for us. Several more expressed an interest in further activities of this type although unable to go on this particular date.

We have no intention of having symposia or exhibitions but perhaps further visits to sites where there is clear expertise in the subject of System Engineering that they are prepared to share with us, and to have speakers, probably on a two monthly basis, probably in the evenings. That is the general outline. We need to know the potential support for such an activity. A 'virtual' centre of activity would be Thames Valley, but taking in Berkshire and surrounding counties, perhaps down to Basingstoke, and Farnborough without encroaching too much into Hampshire and Surrey. Should this include

London? Perhaps you would forward details of your interest to John Mead on John.Mead9@hemscott.net together with ideas, and an indication of what contribution you could make to getting this going. We have in mind the occasional hosting of a visit or a meeting in a conference room type environment, providing time to committee/ planning tasks, local treasurer, secretary type activity. If there are enough willing hands it should not be too onerous on any individual or company.

This will not progress any further without a positive response to this note by an adequate number of people. Do not wait to see what happens, wherever your are in the area mentioned please make an input.

John Mead.

INCOSE Region 3 Directors and AFIS (France) President are very pleased to announce the 3rd European Systems Engineering Conference.

Dates : May 21 to 24, 2002

Venue site : "Pierre Baudis Congress Center" -Toulouse - France

Title : "Systems Engineering : focus of European Expertise"

Key dates :

- October 15 : call for papers
- November 30 : abstract of papers received
- December 18 : papers selected
- January 20 : final program decided
- February 02 : final program sent
- March 20 : final version of papers received

- May 1st : CD/proceedings are pressed
- May 21 : Conference starts with Tutorials
- May 22 & 23 : Conference continues with papers and speakers
- May 24 : Conference ends with Technical Tours

You are invited to share experience, knowledge and, make new contacts.

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EUSEC2002 – Call for papers

The conference theme “Systems Engineering: a focus of European expertise” calls on attendees to discuss and debate the challenges presented by continued use of existing products and systems, as well as the way forward in an era of rapid change and technological progress. The conference will provide a forum to address the demands arising from the innovation of novel systems, and systems-of-systems, the integration of tomorrow's functionality with globalisation of technology and business accelerates in the coming decade.

Papers are invited which can make a contribution to the theme of the conference, within the framework of the traditional technical tracks and areas of special interest.

All types of papers will be considered, including case studies, developmental work and technical analysis. Papers will be judged on a range of parameters including clarity of expression, effective communication of ideas, and technical content. Papers must be submitted in

English, the official language of the 3rd European Systems Engineering Conference.

Technical Tracks:

- SE Applications
- SE Management
- Education and Research
- Measurement
- Modelling and Tools
- Processes and Methods
- Standards
- Innovations

Areas of Special Interest Include:

- Development & use of standards
- Systems thinking
- Business process applications
- Metrics and assessment
- Model driven design
- Globalisation of systems engineering

- Testing and evaluation techniques
- Tools integration & database use
- Use of information technology
- Requirements management
- Project management
- Collaborative working
- Management of complexity
- Acquisition processes
- Reuse/use of standard parts
- International factors
- Large scale systems
- Defence applications
- Risk management
- People management
- Systems engineering research
- Small project applications
- Soft systems engineering
- System design techniques
- Capability Maturity Models
- Integrating systems
- Use of formal methods

Further information, draft paper instructions, manuscript format instructions, paper evaluation and selection criteria are available on AFIS Web at <http://www.afis.fr>

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