In This Issue...

President's Message

INCOSE UK Name Change

ASEC 2021 Review

New Dates for the Endorsed Training Provider Event
2021... a year of learning how to get things done while adapting to the ever-changing context of the COVID-19 pandemic. Whilst 2020 was primarily a year of trying to stabilise and muddle through, the arrival of vaccines in 2021 has enabled a level of normality to come back. Whilst most of us are still primarily, if not exclusively, working from home, there have been many more opportunities to engage in face-to-face activities. For some of us this may have just meant being able to pop into the office to catch up with colleagues or get some printing done, in some cases this may have meant being able to run workshops, trials or demonstration events. For those who were really lucky this meant being able to attend the Annual Systems Engineering Conference in Leeds.

For those who were able to attend, being back in 3D in one of our favourite venues was an incredibly welcome change compared to last year. Whilst virtual tools such as Teams and Zoom have really proved their worth over the past two years, enabling people to engage and get things done without the faff of travelling, it has proven difficult to replicate the serendipitous encounters and spontaneous conversations that you get when being in the same room. ASEC 2021 featured inspirational keynote speakers, and some superb papers on a wide range of subjects, not to mention informative tutorials and engaging breakout sessions. We also began the launch of our new “Diversity Network” with a consultation around what members would want from such a forum – the first answer being a change of name to something more aligned to inclusivity. The aim of this network is to provide a supportive environment for anyone who needs it, and to highlight back to the wider organisation where improvements could and should be made.

We offer much more than just an annual event nowadays. INCOSE UK has been licenced by the Engineering Council as a Professional Engineering Institution since February 2020. This has been a game-changer for our organisation, enabling us to offer CEng, IEng and EngTech status to our members, and providing us with a seat at the table with the Engineering Council and Royal Academy of Engineering alongside our fellow institutes. Our licence has just been extended by another year, which will hopefully be extended to the full term once we have enough evidence of following our processes in a robust manner. At this point I would like to thank our colleagues from the Institute of Explosives Engineers for their support in running the Joint Review Board (JRB) that we set up between us to train assessors and ratify professional registration decisions. With both of our organisations needing to find our way through the transition from being Professional Affiliates to Professional Engineering Institution, the JRB has provided an effective route to get ourselves up and running.

In the Technical products and services area, I am delighted to report that we have now generated over £30,000 in revenue from the sale of our publications (including Don’t Panic! Guides, and Advanced Applications in SE) in over 20 countries over the last three years. With 4 more Don’t Panic! Guides and 2 more AASE books planned for publication in 2022, and our recent move to offer all of these titles as e-books, things look well set for even more success in the future. It has also been extremely gratifying to see that the Endorsed Training Provider scheme is now delivering training courses, with several face-to-face courses...
planned for 2022 (COVID-19 permitting) Read more on pages 14 and 15. In a related development, the Early Careers Forum were asked to contribute towards the review of the INCOSE Vision 2035 on the basis that unlike many of the original authors, they are more likely to still be actively working in SE by then. This is a welcome development.

On the Outreach front, there have been a number of developments through the hard work of various members. The Rail Interest Group have been engaged with HS2 to get INCOSE UK onto the set of Industry Partners for the HS2 Learning Legacy (Homepage - HS2 Learning Legacy), which aims to foster the collation and dissemination of good practice, innovation and lessons learned from HS2 aimed at raising the bar in industry, improving UK productivity and showcasing UK PLC. The Energy Systems Interest Group ran a “Fringe” event at COP26 in conjunction with a number of UK and Scottish organisations on “A Systems Approach to the Energy Transition for Net Zero”. I’m told that this gave rise to one of my favourite quotes of the year “Systems Engineers – we’re an annoying bunch but you need us!”.

We were also approached by the Infrastructure & Projects Authority (IPA) to join the authoring team for the new Systems Integration module in their refreshed Project Routemap guidance, which was recently released here (Systems Integration FINAL.pdf (publishing.service.gov.uk)). This involved myself and Malcolm Thomas joining the team to develop the Systems Engineering pillar, with reachback where needed to other colleagues. This also led to involvement in “Challenge Panels” related to the “Transforming Infrastructure Performance: Roadmap to 2030” vision.

Our work with the Royal Academy of Engineering has continued on various fronts, with the most notable recent engagement being around Equality, Diversity & Inclusion (ED&I) benchmarking across the PEIs using their Progression Framework. This requires us to have ED&I policy ownership at Director level on the council, and to take measurable steps to improve performance in this area. I would like to stress that this is not just some window-dressing exercise. We aim to be an inclusive and welcoming institute, and that means both creating opportunities for everyone to get involved, and also behaving in a professional, respectful and inclusive manner towards each other.

Finally, we held a vote to gain approval to commence the transformation from INCOSE UK into the Institute for Systems Engineering. The vote easily cleared the bar of needing 10% of members to be valid, ending up with 24% of the membership voting and 95% of those votes being in favour. I am obviously delighted with this result and have already been making contact with the Engineering Council to understand in more detail what they need us to do to fit in with their various meeting cycles and governance panels.

So, let’s hope that 2022 lives up to expectations. A new Institute for Systems Engineering, a return to some of the freedoms that we used to take for granted, but also many opportunities to blend the best of the old and the new and take the chance to do things differently, or do different things. It’s going to be another exciting year, hopefully for all of the right reasons. On that note, I will sign off with a quote from Sir Patrick Vallance, the UK’s Chief Scientific Advisor:

“Almost everything that we do across Government requires an engineering mindset, because it’s a Systems problem and engineers think about Systems”

I think we can all agree with that sentiment.

Ian Gibson
INCOSE UK President

We are pleased to announce the result of the recent vote on the motion:

Take the necessary steps to transform INCOSE UK into the Institute for Systems Engineering (IfSE).

Turnout: 24% of the membership
Votes against: 13
Votes for: 257

Since at least 10% of the membership cast their vote, the result is valid.

The majority of the vote was in favour of the name change and therefore the motion has been carried. Beginning in early 2022, the INCOSE UK Council will start the transformation process, including seeking permission to use the term ‘Institute’.

Ian Gibson explains the thinking behind the choice of the new name, the Institute for Systems Engineering.

One of the questions that we are frequently asked is to explain why we chose the new name to be the Institute for Systems Engineering (IfSE).

Fundamentally, the name change brings us into alignment with our peer institutes/institutions that are regulated by the Engineering Council. Every single word in the new name has been the subject of discussion and voting at INCOSE UK Council meetings. The rationale for each of them is:

- “Systems” in plural because no system exists in isolation.
- “Engineering” not “Engineers” because it’s all about giving back to the practice of the discipline (whoever is doing it), as well as providing a professional home for Systems Engineers in the UK.
- “Institute” not “Institution” because it’s more progressive and dynamic, as befits a relatively young discipline.
- “for” rather than “of” because “of” is possessive (which we cannot really claim) whereas “for” is about supporting, enabling and improving.

The abbreviation to IfSE rather than ISE is partly to avoid confusion with the ISE – the Institute of Industrial and Systems Engineers which is another US-based global engineering society operating in a similar space. It also aligns with GISE in Germany, which translates as the “Society for Systems Engineering”. Including the “I” makes it look quite distinctive, and both “MiSE” and “FISE” would look good as post-nominals in the future.
In October 2021 I decided to take the plunge; join INCOSE UK and sign up to attend ASEC 2021. Possibly resonating with others, the INCOSE handbook had been by my bedside for a few years, the number of INCOSE publications had grown deep in my drawer and it was time to stop sitting on the periphery of membership. I made the leap to join, and more importantly take my first trip to Leeds.

My original preconceptions that this established event would be full of cliques and “in jokes” were thankfully ill-founded. I arrived with the large Costain contingent, and upon the customary glance towards my badge, I would receive the “oh— you’re one of the new faces from Costain”, at which point a long and welcoming discussion would begin. As a new member I relished how welcoming and friendly faced all the members, events team and presenters were. This was not the closed and old-fashioned event I feared.

Following coffee, came the somewhat eager call that we really must make our way to the keynote. Perhaps it was the excitement from reconnecting with colleagues after almost two years, or the apprehension about travelling again, but I remember as we walked towards the lecture hall there was a buzz about the air and anticipation to get started. Jessica Leigh Jones’ keynote did not disappoint. Following introductions and recognitions, the evening peaked with the after dinner talk which made us all leave thinking “do I really want to drive a modern car?”

Day 2 saw us joined virtually by Dr Nick Starkey for the keynote, and the rest of the day completed the conference with discussions covering topics as wide ranging as risk, obsolescence, and Digital Twins. The highlight for many (and not just because of the doughnuts) was Jessica Korzeniowska’s enthusiasm for widening the appreciation of our discipline and educating and encouraging others to engage in the field.

This new member left Leeds with a real sense that I had been welcomed into the community and with a thirst to return next year.

The weeks leading up to ASEC 2021 were fraught with many big questions. What to include in the presentation; will we be ready in time; should I wear my elven cape to present, or would that end badly…? Having never attended an ASEC before, I was only slightly daunted. Not least with the pressure of also presenting straight after the day two keynote – a tall order for a newbie.

Still, I needn’t have worried. ASEC 2021 was filled with friendly, welcoming systems engineers, who embrace innovation (read: didn’t mind that I brought doughnuts to a professional conference presentation).

Some highlights for me included the thought-provoking keynote from a fellow Jessica on day one – imagine what a profound effect it would have on working lives if everyone was allowed to work where and when worked best for them, even if it was 2am?

As well as speed mentoring with the Early Careers Forum; a brilliant way to meet a lot of people in a short space of time, sharing stories, experiences, how we got into Systems Engineering and why we love it. Thank you to Amelia and Beth for organising such a great event!

The morning of day two saw me mostly deep breathing and manifesting positive vibes until it was time for me to present. I am completely thrilled with how the presentation was received and the fantastic conversations afterwards. I was struck by just how much of what we all do, across numerous organisations in all stages of their SE journey, is an education piece. It is not a tag on, an afterthought – rather a key part of the challenge of being a systems engineer. This is something I had believed for a long time about the role of systems engineers at UKAEA, but to meet others of the same mindset and to see it clearly reflected across so many organisations was very encouraging. I’m looking forward to continuing many of these conversations past ASEC 2021 and exploring exciting collaborations.
ASEC 2021 Awards

The Annual Systems Engineering Conference is a time to celebrate the achievements and successes of the members across the INCOSE network.

Best Paper: Jessica Korzeniowska and Jason Jouannou

ASEC 2021’s Best Paper Award went to Jessica Korzeniowska and Jason Joannou for their paper “Systems Engineering in the Hot Seat”.

Best Paper by a New Author

Jessica Korzeniowska and Jason Joannou also took home the Charterhouse Best Paper by a New Author Award for their “Systems Engineering in the Hot Seat” paper. What an amazing achievement!

Best Presentation: Jessica Korzeniowska

The votes are in and the result is unanimous, ASEC 2021’s Best Presentation Award goes to… Jessica Korzeniowska! Jessica’s presentation “Systems Engineering in the Hot Seat” was very well received by the delegates and sparked some interesting discussions. It has been a very successful year for Jessica and colleague Jason. Here’s what Jessica had to say about their success:

“After the success of the Year of Systems Engineering in our own organisation, it was wonderful for it to also be recognised on a national scale at ASEC 2021. I hope that this will spark many more engagement and outreach activities in other organisations, and together the understanding and appreciation of Systems Engineering will grow throughout UK industry. A huge thank you to INCOSE UK and all those at ASEC 2021 for receiving the paper and presentation so well and for making me feel so welcome as a new presenter.”

Second Place

Second place was awarded to Paul Davies and his presentation: “A System Dynamics Model of Covid-19 and What It Can Tell US”

Third Place

Third place was awarded to David Oxenham for the presentation on “Growing Systems Skills for Enterprise: an Organisational Case Study”.

Outstanding Service Awards

The Outstanding Service Award is suggested by, and voted on, by members of INCOSE UK Members.

Peter Moore, David Dean and Alan Harding

For significant contributions to supporting INCOSE UK’s Professional Registration service throughout 2021. Peter, David and Alan have gone above and beyond in their roles as professional registration advisor and assessors by providing support to trainee assessors, contributing to the improvement of IRB processes and the supporting the implementation of UK-SPEC 4th Edition. Peter, David and Alan have also provided invaluable support to me as Professional Development Director throughout the year and I am grateful for their ongoing support and guidance.”

Honourable Mentions

The Assessors and Secretariat from the Institute of Explosive Engineers

Over the past 2 years we have been working extremely closely with the Institute of Explosive Engineers to set up and run the Joint Review Board which is responsible for the assessment, recommendation and ratification of professional engineering status (CEng, IEng and EngTech) to our members. This partnership has firmly proved that whilst we defer to them for blowing things up, and they defer to us for integrating things together, we can both work within UK-SPEC to recognise talented and worthy engineers across our disciplines. In particular we would like to recognise Vicki Hall, Ken Cross, Andy Carr, Steve Miller and Shaun Dooley for their prolonged efforts in making this a success.

Tim James from the Bristol Local Group

Tim James has been a supporter of the Bristol Local Group for many years, both as an attendee and a committee member. Even when his career took a different turn away from mainstream Systems Engineering, he has still given his time to the group, helping to organise events and keep things moving along. Latterly he has been supporting the group as a non-member, which makes him ineligible for any of our usual awards. However, with the instigation of our new honourable mention award for “friends of INCOSE UK”, we are now able to recognise his efforts and thank him for his long-standing commitment to the group.
ASEC 2021 Awards

Energy Systems Interest Group (ESIG)

The ESIG have remained active throughout the COVID 19 pandemic and subsequent lockdowns and have produced Z Guide 14 and organised a COP 26 Panel Session: “A Systems Approach to the Energy Transition to Net Zero”. Both of these activities have furthered the promotion of Systems Engineering in the achievement of Net Zero.

Rail Interest Group (RIG)

The RIG have continued to keep the members engaged through a series of virtual meetings during the COVID 19 pandemic. They have used this to their advantage by linking up with the INCOSE Transportation Working Group to provide joint presentations. They have also been instrumental in INCOSE UK becoming an Industry Partner for the HS2 Learning Legacy, thus continuing the promotion of Systems Engineering practice and raising the profile of INCOSE UK.

Architecture Working Group (AWG)

The AWG has continued to promote the value of Systems Architecture throughout the COVID 19 pandemic through engagement with its members, collaboration with the International Working Group and the development of publications. They are also engaged with the MBSE WG exploring the relationship between MBSE and Architecture.

MBSE Working Group

The MBSE WG have enthusiastically continued with both the Interest and Working group aspects throughout the COVID 19 pandemic. With over 300 members this allows the group to provide a forum for furthering interest and understanding in MBSE as well as the production of publications and engaging in other initiatives. One of these initiatives, the relationship between MBSE and Architecture, is being run jointly with the Architecture Working Group.

ASEC 2021 Reserve Papers

We would like to thank the following people who submitted a Paper for ASEC2021 and were held in reserve. The papers can be viewed on the INCOSE UK website and are included in the ASEC 2021 Proceedings available in the INCOSE UK Online Store.

How to Include Soft Modelling into an Expanded Model-Based Systems Engineering Approach

Filippo Farina, Ceng MINCOSE, Rick Adcock

Making the Technical Processes Work For You - A New Perspective

Dr. Keith Collyer, Liz Wright, Alexander Hill

Bringing the Seven Samurai to Life: Managing Complexity in Capability Delivery Through Time Using Systems Thinking

Tom Ogden, Mike Jenkinson, Paul Wells

ASEC 2021 On The Spot Survey

Attendees of ASEC 2021 were given the opportunity to take part in an on the spot survey asking what attracted them to INCOSE UK, the below are the results of the informal survey.

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<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Events and Networking</td>
<td>34%</td>
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<tr>
<td>Professional Development</td>
<td>23%</td>
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<tr>
<td>Access to Interest/ Working Groups</td>
<td>16%</td>
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<tr>
<td>Access to Resources</td>
<td>14%</td>
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<tr>
<td>INCOSE International Membership</td>
<td>11%</td>
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<tr>
<td>UKAB and Sponsorship</td>
<td>2%</td>
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As always, we wouldn’t be able to run the event without the support from our sponsors. We would like to thank the following companies for sponsoring ASEC 2021:

As a result, the ASEC 2021 Proceedings are now available to order from the INCOSE UK Online Store.

The ASEC 2021 Proceedings are the published papers of the INCOSE UK Annual Systems Engineering Conference and are the best papers of the year’s submissions to the event and includes the reserve papers.

The printed 2021 Proceedings is a handy format to review and study the papers in more depth after the conference, the printed proceedings will also give the option for members and non-members who were not able to attend the event to be able to get a taste of what happened at ASEC 2021 and hopefully inspire them to attend a future event. We trust that these proceedings will provide a lasting benefit and fitting record of INCOSE UK’s ASEC2021 – Creating Stability in Uncertain Times.

Throughout the event we ran a competition to encourage delegates to visit the exhibitor stands. The image of Nikosi, the Rhino that INCOSE UK adopted, appeared somewhere on the exhibitors tables. Nikosi sported a rather fine collar with a letter written on it. Put all the letters together and you made a word, submit that word and you could win a prize.

We received several entries with the correct solutions, which were Autonomous and Frameworks, and all those names were put into a hat from which the winners were drawn.

So, we would like to congratulate Rene King and Andrew Pemberton for their win. We hope you enjoyed your bottle of INKOESE wine!
The Endorsed Training Provider (ETP) scheme allows organisations that provide professional Systems Engineering related training courses to obtain the status of ‘INCOSE UK Endorsed Training Provider’.

Endorsed Training Provider status is achieved following an assessment which is carried out by suitably-qualified and experienced Systems Engineering professionals according to the formal INCOSE UK Endorsed Training Provider Assessment Process. As part of the assessment, training providers will be required to submit evidence based on a series of categories:

- Organisational Activity provides an overview of the applicant Training Provider’s activities to ensure that they are relevant to INCOSE UK’s scope – that they cover aspects of, or areas that are relevant to, Systems Engineering. This part of the scope is mandatory.
- Organisational Capability provides an overview of the applicant Training Provider’s processes for course development, delivery, post-course activities and continuous improvement activities.
- Course Content - Standard Courses provides an overview of standard courses and how they map to current best practice in Systems Engineering.
- Course Content - Bespoke Courses provides an overview of how the training provider creates and tailors courses for individual client's needs and how they map to current best practice.
- Trainer Competence provides details of the named trainers' knowledge, experience, and professional qualifications.
- Training Reviews provides details of how courses and trainers are reviewed, with feedback received from attendees.

It should be noted that it is the training provider that is endorsed, not the detailed content of the actual courses. The specified courses must, however, be demonstrated to map with best practice.

If you are interested in becoming an Endorsed Training Provider, or would like more details, please contact TechServ@incoseuk.org

Current Endorsed Training Providers:

- Burge Hughes Walsh Ltd
  - Website
- Scarecrow Consultants Ltd
  - Website
- SyntheSys Technologies
  - Website

Endorsed Training Provider Event

New Dates: 5th - 7th April 2022

Due to uncertainty because of the current Covid situation, the decision has been made to reschedule the Endorsed Training Provider Event to the 5th-7th April 2022 at Marsh Farm Hotel, Royal Wooton Bassett, Swindon.

This event will be run by Burge Hughes Walsh Ltd and Scarecrow Consultants Ltd. Their courses are summarised below.

Each course will run for 3 days with 8-15 delegates. The cost of the course, for each delegate, £960 + VAT for members and £1,200 + VAT for non-members. The booking system with full course details is now open. Book your place here.

Further information can be found on the website or by email to techserv@incoseuk.org.

A Model-Based Approach to Systems Engineering

This course is aimed at systems engineers, software engineers and managers, quality personnel and anyone involved with business or enterprise modelling and will bring many benefits. All course delegates receive a full set of notes, summary sheets and a copy of the book ‘SysML for Systems Engineering: A model-based approach, 3rd ed.’ by Jon Holt and Simon Perry.

Systems Engineering Fundamentals Course

This 3-day course focuses on the concepts, principles and practices of Systems Engineering to give attendees both an understanding and specific knowledge to apply Systems Engineering to the design of complex systems.

This course is derived from our most popular offering: the 5-day Systems Engineering course. The 5-day course is suit each client-company has been delivered to many of the world's leading engineering companies.

COVID-19 Requirements

To ensure everyone’s safety, we have put in place a series of Covid-19 requirements.

To obtain access to the event, delegates must present the NHS COVID pass, a negative LFT or PCR test OR proof of immunity.

In line with the government recommendation, face masks must be worn.

Please note that requirement may change in line with guidance set by the government.
Certification

Professional Registration

Revised UK-Spec Fourth Edition

For those INCOSE UK members who are working towards Chartered Engineer (CEng), Incorporated Engineer (IEng) or Engineering Technician (EngTech), the revised fourth edition of UK-SPEC has now been fully integrated into the INCOSE UK professional registration application process.

The UK Standard for Professional Engineering Competence (UK-SPEC) sets out the competence and commitment required for registration as an Engineering Technician (EngTech), Incorporated Engineer (IEng) or Chartered Engineer (CEng). It also includes examples of activities that demonstrate the required competence and commitment.

The overall approach in redrafting UK-SPEC was to aim for greater clarity, making the requirements, i.e., the Standard itself, more obvious, while providing better examples of how applicants might provide evidence of having met the Standard.

The third and fourth versions of the UKSPEC are both available to download from the INCOSE UK website along with a useful document which highlights the changes between them for those applicants who are updating a draft based on version 3.

INCOSE UK are also in the process of republishing their guidance for systems engineers in mapping their experience to the competences laid out in the UKSPEC. This will be available later in 2022.

To support INCOSE UK members who wish to apply for professional registration, we continue to offer online sessions throughout 2022. Coming up in the first half of the year are:

16 February 2022 - CPD Clinic

In this session we will be offering guidance to members on how to approach CPD and what to include.

This session is an open forum for discussion and includes information relating to CPD for both professional registration and SEP certification.

13 April 2022 - Individual Assessment Route

In this session, we will be focussing on those candidates who wish to apply for professional registration with INCOSE UK but do not have accredited qualifications. The session will be an open forum for discussion and will include input from the INCOSE UK assessment team.

The booking system for the SEP Exam on Wednesday 6th April 2022 is now open.

In order to gain ASEP or CSEP accreditation it is necessary for INCOSE UK members to pass the certification knowledge examination.

INCOSE UK are offering their members the opportunity to sit a paper version of this exam, which is based on the INCOSE Systems Engineering Handbook v4 and consists of 100 multiple choice questions.

Candidates will have 100 minutes to complete the examination and extra time can be allowed for those members who meet certain qualifying criteria.

Membership of INCOSE UK is mandatory for anyone wishing to register for and sit the examination.

Those candidates who achieve a successful outcome must then for apply ASEP or CSEP, via the INCOSE UK online application process, in order to receive their accreditation. This attracts an additional fee.

For more general information and cost on the Certification Process with INCOSE UK download our U1- guide to Professional Certification HERE.

Call for Certification Application Reviewers (CAR)

Are you interested in becoming a Certification Application Reviewer (CAR)? We are looking for members who have already gained CSEP or ESEP accreditation to support in the review of new CSEP Applications with INCOSE UK. You will be part of a team for each review you undertake, and each review should generally take no more than a couple of hours of your time. Full training will be given. This is a volunteer role, however, your involvement will not only support other systems engineers in gaining certification, but would be a valuable component in your own Continuing Professional Development. For more information or to register your interest please contact profdev@incoseuk.org

Certification with INCOSE UK

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All sessions are delivered via Zoom. To register please email: profdev@incoseuk.org

Certification

Upcoming Professional Development Sessions

12th January 2022 at 12pm (GMT) Professional Registration Webinar
Our regular INCOSE UK overview of professional registration covering how to apply and answering your questions on the process. Includes input from our assessor team and a recent INCOSE UK applicant.

16th February 2022 at 12pm (GMT) CPD Clinic
In this session we will be offering guidance to members on how to approach CPD and what to include. This session is an open forum for discussion and includes information relating to CPD for both professional registration and SEP certification.

16th March 2022 at 12pm (GMT) SEP Certification Clinic
Attend this session to gain a better understanding of INCOSE UK SEP Certification. The session will be an open forum for discussion and will cover an overview of the requirements to apply for each level and details of the application process. Input from a recent candidate and a Certification Application Reviewer will be included along with a Q&A.

All sessions are delivered via Zoom. To register please email: profdev@incoseuk.org

INCOSE UK Advisory Board

Derek Price, Chair of the UK Advisory Board, gives an update on recent UKAB activities.

THE UKAB provides a forum for UK Systems Engineering organisation (within industry, government and academia) to influence the activities that INCOSE UK undertakes, and the Systems Engineering practice that INCOSE UK promotes.

The benefits for organisations subscribing to the UKAB are:

■ Demonstrates the organisation’s commitment to the professional Systems Engineering within the UK to both staff and customers.
■ Demonstrates the organisation’s desire to advance the state of the art and recognition of the Systems Engineering discipline.
■ Belonging to a group that can claim to represent the “voice of industry” as a sounding board for Government and Academia on Systems Engineering issues.
■ Opportunity to influence Systems Engineering in the UK - state of the art, direction and structure - through INCOSE UK, the leading Systems Engineering body.
■ Recognition of the organisation’s commitment in INCOSE UK publications and at INCOSE UK events.
■ Free copying and distribution rights to all INCOSE UK event proceedings and Working Group products within the organisation.
■ Opportunity to share best practice and to tackle common issues collectively with other organisations practising Systems Engineering.
■ One-to-one contact with key Systems Engineering points of contact within other organisations.

We have 28 members of various sizes, spanning different sectors, but with a common interest in the practice of Systems Engineering and the leading role that INCOSE UK plays.

What have we done this year? There is always some cross sector sharing every time we meet. Some specific issues that we have worked with the UK Council on include:

■ Future virtual / hybrid models for INCOSE UK events
■ Providing easier access to INCOSE UK resources for UKAB member employees
■ Maintaining & improving INCOSE UK’s online presence
■ The value of the UK supported certification programme

UKAB Membership applications are welcome from UK Companies and institutions that practice and champion Systems Engineering in government and commercial business sectors, as well as Education and Training providers.

If you have any questions and/or would like to apply for UKAB membership please contact the Secretariat.

How to join the UKAB

The UKAB provides a forum for UK Systems Engineering organisations (within industry, government and academia) to influence Systems Engineering in the UK, and to collaboratively improve and exploit Systems Engineering best practice via the activities of INCOSE UK.

Any UK Companies and institutions that practice and champion Systems Engineering in government and commercial business sectors, as well as Education and Training providers, will be considered for membership of the UKAB.

All organisations joining the UKAB sign a Memorandum of Understanding, an example of which you can download below.

Membership of INCOSE UK costs £2712 per annum + VAT and runs from 1st June to 31st May each year. It includes one individual INCOSE membership which should be allocated to the UKAB Member point of contact.

Documentation relating to UKAB membership can be found the INCOSE UK website.
ECF Elections

There are two roles available in the ECF committee. This is a great opportunity to increase your network and develop your professional skills. The roles available are:

- Communications & Outreach (TORS here)
- Events Coordinator (TORS here)

To nominate yourself for the role, please submit a brief statement on why you would like the role (roughly 250 words) with any ideas and plans you would have if you were on the committee. Please send submissions to ecf-chair@incoseuk.org. This statement would be used if the election goes to a vote.

For any queries please get in touch via ecf-chair@incoseuk.org. Keep an eye out for some exciting events coming in the new year!

The INCOSE UK Membership Survey - Have Your Say

We are asking all INCOSE UK members to take part in the INCOSE UK 2021 Membership Survey. The results of the survey will help us to find ways to continue improving our membership offering and ensure that you are getting the best value for your membership with INCOSE UK. This is also a great opportunity to bring up any issues or concerns you may have and to put forward any suggestions.

The closing date for the survey is Friday 14th January

Click here to take part

INCOSE UK YouTube Channel

Have you visited the INCOSE UK YouTube channel?

On the channel, amongst other things, you will find videos from the recent COP26 Panel Session, recordings of the Meet The Authors Zoom sessions and the presentation that won the Best Presentation at ASEC 2021 delivered by Jessica Korzeniowska.

The channel has just been updated with a Q&A with event delegates from ASEC2021

With a growing collection of content from INCOSE UK and the wider Systems Engineering community, now is a great time to subscribe.

Available in eBook and Paperback format
### INCOSE UK Calendar

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Jan 22</td>
<td>Professional Registration Webinar</td>
<td>Via Zoom. To register email <a href="mailto:profdev@incoseuk.org">profdev@incoseuk.org</a></td>
</tr>
<tr>
<td>16 Feb 22</td>
<td>Continuous Professional Development (CPD) Clinic</td>
<td>Via Zoom. To register email <a href="mailto:profdev@incoseuk.org">profdev@incoseuk.org</a></td>
</tr>
<tr>
<td>2 Mar 22</td>
<td>Equality, Diversity and Inclusion Event</td>
<td>Further information regarding this event to follow.</td>
</tr>
<tr>
<td>16 Mar 22</td>
<td>SEP Certification Clinic</td>
<td>Via Zoom. To register email <a href="mailto:profdev@incoseuk.org">profdev@incoseuk.org</a></td>
</tr>
<tr>
<td>5 - 7 Apr 22</td>
<td>Endorsed Training Provider Event</td>
<td>Marsh Farm Hotel, Royal Wootton Bassett</td>
</tr>
<tr>
<td>6 Apr 22</td>
<td>SEP Exam</td>
<td>Marsh Farm Hotel, Royal Wootton Bassett</td>
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### ADVERTISE WITH INCOSE UK

INCOSE UK is a Professional Engineering Institute (PEI) focused on Systems Engineering. With over 1,000 members coming from diverse backgrounds covering purchasers, system developers and academics and representatives including aerospace, automotive, defence, transportation, communication and telecommunications, INCOSE UK is the best place to get your message across.

Please contact advertise@incoseuk.org for more information.

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The ePreview newsletter is provided free of charge to our members. The aim of the publication is to keep our members informed of developments within the UK Chapter, and to highlight our regular events, as well as promote and encourage participation.

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