INCOSE UK Election

ASEC 2023 Location Announcement

Endorsed Training Provider Event

And much more...
Presidents Message

I just wanted to bring you all up to date with a few things that are happening within INCOSE UK, namely: an update on our progress in transitioning to IfSE and the formation of the Nomination and Appointments Committee. I also would like to provide some reflections on the recent EMEA WSEC 2023, held last month in Seville.

Malcolm Thomas
President, INCOSE UK

IfSE: The Current Situation

You will be well aware that we have not been able to put forward a Special Resolution to you and to call the Extraordinary General Meeting that I mentioned in the December edition of ePreview. This is because the INCOSE UK Council is still in discussion with the Engineering Council over the Articles of Association for IfSE. I think we are 99% of the way there but, as with many negotiations, there is always some knotty problems to sort out. Ours is around the use of postnominals. Even on this we are in general agreement on what these should be, however we are still trying to agree on the exact definitions for eligibility for the use of the postnominals. Because the body within the Engineering Council meets relatively infrequently that is taking longer than we would have hoped.

Meanwhile, we have set up a Task Force, led by Ian Gibson (Immediate Past President) to get everything in place and are talking to the other relevant stakeholders, such as Companies House, to understand their timescales etc. So, once we have the Articles agreed with the Engineering Council, we will be able to press ahead with the Special Resolution and letting you have your say on implementing the transition.

So, for now, it’s a case of “watch this space” and we will be in touch as soon as we are able to move forward.

The Nominations and Appointments Committee

As you know, INCOSE UK is a member-based organisation, with a Board of Directors and Council which are both formed from elected or appointed volunteers. However, many volunteer-led organisations struggle with finding suitable candidates because potential volunteers often do not step forward due to the voluntary nature of the roles and the level of commitment required. Therefore, the Council has established a Nominations and Appointments Committee to ensure a strong pipeline of suitable candidates.

The goals of the Nominations and Appointments Committee are to:

- Act as a point of contact for those who may wish to stand for election in any role
- Identify potential future candidates for upcoming roles
- Work with candidates so that they understand what the role entails and what the benefits to the candidate and their employment organisations may be
- Advise potential and nominated candidates of the process
- Advise INCOSE UK Council of potential candidates for election, or nomination where necessary
- Develop a pipeline of future INCOSE UK leaders, whether that be for Council roles or other leadership positions.

The Nominations and Appointments Committee will be chaired by the Immediate Past President (currently Ian Gibson) and will be comprised of three to five additional members proposed by the Immediate Past President and approved by the Council. At least one of these will be a recent ex-Council member due to the knowledge and experience that they would bring. But the other members of the committee will be selected as representative of the INCOSE UK membership.

My ask of you is: if you would like to be considered as a member of the Committee then please contact the Secretariat in the first instance.

I would also like to thank all our volunteers: Group Committee members; ECF Committee members; UKAB PoCs and Council Members for your tireless effort in making INCOSE UK a vibrant institute providing value to our members.
**Presidents Message**

**EMEA WSEC 2023**

“The EMEA Region usually holds a Conference or Workshop in alternate years. However, due to the pandemic, there was a combined Workshop and Systems Engineering Conference (WSEC) held over three days – 24th to 26th April 2023 – in Seville, Spain. With a theme of “Engineering a Sustainable World” there was great deal of focus on the UN’s Sustainable Development Goals.

While I was there, I met INCOSE’s new Executive Director, Steve Records, and was able to apprise him of INCOSE UK’s goals and aspirations and our relationship with INCOSE. He is still very new in post and is on a steep learning curve but he showed a keen interest in INCOSE UK as we are largest chapter outside of the UK and along with a number of the other MoA chapters, he wants to hear what we have to say.

Firstly, I would like to thank the organising committee for arranging an excellent event and especially our INCOSE UK members: Peter Graham (Programme Chair) and Tom Aldous (Chair for Student Outreach). Well done, both of you!

I had the pleasure of attending the event and heard from three inspirational Keynote speakers – Gerhard Krinner, Cecilia Haskins and David Long, as well as several other speakers. I was also able to take part in a number of the workshops dedicated to INCOSE’s Future of Systems Engineering (FuSE) initiative, which was both good fun and educational. There was representation from across the globe, from the US to Australia, with the majority of attendees from the European chapters, particularly AFIS (France) and GfSE (Germany), but also a good few INCOSE UK members. A number of whom were presenting papers or facilitating workshops.

Finally, don’t forget that ASEC 2023 will be held at Spaces and The Spine in Liverpool on 21st and 22nd November. I look forward to seeing many of you there.

Malcolm Thomas
President, INCOSE UK
Deputy Finance Director – Andrew Pearce

The INCOSE UK Council is pleased to announce the appointment of Andrew Pearce as the Deputy Finance Director of INCOSE UK.

Andrew joins the Council with immediate effect and will be working closely with Phil Savvides, Finance Director.

The Deputy Finance Director (DFD) supports the Finance Director (FD) in managing INCOSE UK finances by setting budgets, monitoring expenditure, and advising the rest of the UK Council on the financial position of the company. As a member of the UK Council and of the Events Committee, the DFD plays an integral part in Council discussions and decision-making. The primary role of the DFD is to support the FD in advising the Council of the financial sustainability of initiatives, which demands close involvement with development of strategy and operations.

As the Deputy Finance Director, Andrew will transition into the Finance Director role in 2025.

Andrew is a Technical Director in WSP, where he is the Deputy Group Director of the Systems Engineering, Integration and Assurance (SEIA) group, with responsibility for the group’s performance against its multi-million-pound annual budget. His delivery responsibility includes driving performance in delivery of SEIA led projects and Systems Engineering profile within the wider WSP rail domain. As part of this, he leads a community of practice within the group for Project Directors and Project Managers and takes a leading role in setting budget, forecasting and monitoring performance for the group.

Andrew says “I am excited by this new challenge of becoming the Deputy Finance Director for INCOSE UK and joining the council. I am motivated by the chance to contribute to the continued financial stability and sustainability of INCOSE UK. Furthermore, I hope that by taking on this role and contributing to the continued success and growth of INCOSE UK as it moves towards becoming The Institute for Systems Engineering (IfSE) it will set a strong example to others in my network to become engaged and support INCOSE UK.”

The INCOSE UK Council members continuing into 2023 are:

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Malcolm Thomas</td>
</tr>
<tr>
<td>President Elect</td>
<td>Andrew Pemberton</td>
</tr>
<tr>
<td>Immediate Past President</td>
<td>Ian Gibson</td>
</tr>
<tr>
<td>Finance Director</td>
<td>Philip Savvides</td>
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<tr>
<td>Deputy Finance Director</td>
<td>Andrew Pearce</td>
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<tr>
<td>Technical Director</td>
<td>Jon Holt</td>
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<tr>
<td>Professional Development Director</td>
<td>Steven Turner</td>
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<tr>
<td>Outreach Director</td>
<td>Stuart Jobbins</td>
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<tr>
<td>ECF Chair</td>
<td>Nathan Drury</td>
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<tr>
<td>UKAB Chair</td>
<td>Derek Price</td>
</tr>
<tr>
<td>UKAB Deputy Chair</td>
<td>Matthew D</td>
</tr>
<tr>
<td>Company Secretary</td>
<td>Emma Jane Taylor</td>
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</table>
INCOSE UK conducts annual elections for positions on its Council, following a defined cycle to ensure continuity. The Council serves as the decision-making committee responsible for formulating the strategy of INCOSE UK, ensuring its effective operation, and achieving its aims and objectives. If you wish to contribute to the growth and development of INCOSE UK, you may want to consider running for the Professional Development Director position, which is available for election this year.

Joining the INCOSE UK Council provides numerous advantages. You get to exert more influence on the governance and strategic direction of INCOSE UK. You also have the opportunity to engage with stakeholders and expand your professional networks, which can benefit both you and your employer, and cultivate broader connections within the Systems Engineering community.

Moreover, becoming a member of the council is an effective way to showcase to your current or future employer that you have actively contributed to advancing Systems Engineering in the UK.

The INCOSE UK Council elections are conducted through an online voting system, with the outcomes announced during the Annual General Meeting (AGM). Incumbents who have previously served on the council may stand for re-election, while retiring council members can also be considered for reappointment.

The election process is as follows:

Nominations can only come from current INCOSE UK members and must be submitted to the INCOSE UK Company Secretary by Monday 3rd July 2023.

Nomination Papers must:

- Indicate the position being applied for
- Include the names and signatures of a proposer and a seconder (both of whom must be current members of INCOSE UK)
- Include a brief 250 word personal statement/election address giving the candidate’s qualifications and reasons for candidacy
- Include an up to date CV
- Include an image of yourself to display on the election website

Upon receipt of a nomination, the Secretariat will check the eligibility of the candidate, based on the criteria outlined in INCOSE UK Nomination, Election and Appointments process. The Secretariat then informs the Nominations and Appointments Committee who will discuss the requirements of the position and necessary commitment with the candidate.

Please note: Incumbents standing for re-election do not have to be referred to the Nominations and Appointments Committee but are recommended to meet with them.

As a result of these discussions and the outcome of the eligibility checks, there are three possible outcomes:

- The candidate may choose to withdraw their nomination.
- If the candidate is nominated for a role on the Board of Directors of INCOSE UK, the candidate must undergo a formal interview with representatives from the current Board of Directors.
- If the candidate is nominated for a non-BoD Council role, the Nominations and Appointments committee will make a recommendation to Council as to whether the candidate meets the requirements of the role or could reasonably develop into the position. The Council will then decide whether the candidate should be put forward for election, taking this recommendation into account.

Candidates will be informed of the Council’s decision then details of the Candidates’ Standing for election will be published on the election pages of the INCOSE UK website and in ePreview for members to read.

Online Voting will open and remain open for approx. 4 weeks.

Once the voting has closed, the Candidates will be informed of the results prior to the results being announced at the AGM in line with the process.
Changes to the Council.

The composition of the IfSE (Institute for Systems Engineering) Council will look very similar to the existing INCOSE UK Council, with the IfSE Council being made up of the same positions. However, the IfSE Board of Directors (BoD) will have two additional directors than that of INCOSE UK.

The two directors joining the BoD of IfSE will be the Professional Development Director and the Technical Director. This means they will be Registered Directors of IfSE and will be listed in Companies House as Company Directors.

This change reflects the fact that both positions have responsibilities for key activities of the Institute and in terms of company law should be considered as Company Directors. Therefore, they could be held to account in the same way as the existing company directors.

What is the Impact on the Professional Development Director role?

If the transition to IfSE happens during the election process, the Professional Development Director will be elected to both the INCOSE UK Council, the IfSE Council and the IfSE Board of Directors and become a Company Director of IfSE.

Therefore candidates will be asked to attend an interview with two members of the INCOSE UK Board.
Terms of Reference

Professional Development Director

The Terms of Reference (TORs) for the role give an indication of the role and responsibility for the post, but may be subject to change. All INCOSE UK roles are empowered to create a team of volunteers who work with the Directors to deliver the INCOSE UK objectives and are supported by the INCOSE UK Secretariat.

Overview of Position

The Presidential Team comprises three positions: President Elect, President and Immediate Past President.

Whilst these are three distinct positions, only the President Elect is voted by the membership. The other two roles are undertaken by the same individual on a transitional basis as follows:

- President Elect: 2 Years [elected by membership]
- President: 2 Years [direct transition from President Elect]
- Immediate Past President: 2 Years [direct transition from President] Therefore, candidates must note this is a 6-year commitment.

The INCOSE UK Presidential Team is responsible for the overall strategy, direction and operational management of the INCOSE UK Chapter and INCOSE UK.

Each role within the Presidential Team is a voting members of the INCOSE UK Council. Each role within the Presidential Team is a Director of INCOSE UK Board of Directors.

Responsibilities

- Acts as a point of contact for Systems Engineering Professional Development within the UK Chapter and between the UK Chapter and the wider INCOSE
- Sit on the Joint Review Board in relation to Professional Registration
- Develops an annual and strategic Professional Development plan to address UK Chapter requirements
- Coordinates initiatives with INCOSE UK Directors, the UK Advisory Board Chair and the Early Careers Forum Chair
- Works closely with Professional Development and Membership Manager regarding professional development activities, communications and member inquiries
- Works with volunteers to promote and execute the professional development plan and associated initiatives
- Establishes and appoints members to a volunteer infrastructure as necessary to support the professional development portfolio, including but not limited to volunteers supporting Professional Registration, Certification and Competence Assessment
- Has fiscal responsibility for activities related to Professional Development within INCOSE UK
- Participates in all INCOSE UK Council meetings
- Contributes to the INCOSE UK Strategic and Annual Operating Plans
- Develops and maintains Policies and Guidelines for Professional Development the EMEA Sector and the global INCOSE Network
- Member of the Council

Authority

- As stipulated in INCOSE UK Bylaws and policies
- Compliance with directives on conflict of interest and all policies and procedures of the organisation
- Accountable for discharge of the above responsibilities, and achievement of the objectives, under the direction of the Council.
Terms of Reference

Accreditation
- The Director must be Professionally Registered as a Chartered Engineer at the point of election and for the remainder of the term.
- It is preferred that the Director is Professionally Certified as CSEP or ESEP.

Benefits
The role holder will have an opportunity to influence the strategic direction of INCOSE UK through their position on the INCOSE UK Council.

The role offers an opportunity to both influence and grow understanding of Systems Engineering competence and competencies and associated career paths.

As part of the Chapter leadership, the holder will engage with INCOSE UK members seeking to develop their careers, Systems Engineering function leaders, other professional engineering institutions, academia and the wider UK Industry. The role holder will also have a significant opportunity to collaborate and influence ongoing professional and competence development initiatives within INCOSE internationally.

Engaging with stakeholders will broaden the professional networks of the role holder, with benefit to both the individual and their employer.

Required Skills
- Strong oral and written communication skills
- Ability to communicate effectively across international and cultural boundaries
- Knowledge of current Systems Engineering competency needs for differing professional development pathways, so that they can offer advice to individuals and organisations on career structures and career options
- Knowledge of best practices around competency frameworks, competence-based assessment
- Ability to understand business principles and usage patterns, translate and communicate effectively across application domain boundaries
- Confidence and capability to promote the values and mission of INCOSE UK
- Connection, collaboration, and negotiation skills to establish and facilitate alliances
- Leadership and teamwork skills to coordinate activities within a volunteer organisation and identify suitable candidates to promote INCOSE UK Professional Development activities
- Budgeting and planning skills including the ability to write and implement strategic and operations plans

Commitment
- Minimum annual commitment levels are:
  - Attendance of UK Council meetings: 4 days
  - Attendance of UK Council / UKAB joint meetings: 2 days
  - Actions from and preparation for meetings: 12 days
  - 4 to 6 days a year in relation to Professional Registrations
  - 4 to 6 days a year in relation to Certification

Election Timeline

If only one candidate stands for a position and they meet the selection criteria, then that individual, being unopposed, will be duly elected. In the event of no nominations being received for any of the positions by Monday 3rd July 2023, the Council will appoint someone to the vacant position.
We are pleased to announce that INCOSE UK’s Annual Systems Engineering Conference (ASEC) 2023 will be taking place at Spaces at The Spine, Liverpool on 21st and 22nd November 2023.

With excellent rail and road connections as well as an international airport, Liverpool is the ideal location to host ASEC 2023. The city has a rich cultural and historical heritage, offering opportunities for exploration during free time. It also has a long-standing maritime history, which has played a significant role in shaping the city’s identity. Its strong links with engineering and thriving port make it an excellent destination for ASEC 2023.

Registration for ASEC 2023 will be opening soon. In the meantime, visit the event website to find out more at www.asec2023.org.uk.

We look forward to welcoming you in Liverpool for ASEC 2023.

Spaces at The Spine

Spaces at The Spine is Liverpool’s newest and most exciting venue for events. With world-class facilities, it offers dynamic spaces for conferences, workshops, and dining, making it the perfect location for ASEC 2023. The venue features ergonomic, modern, and intelligent spaces that showcase the best-in-class building connectivity and agile audio-visual systems.

The name "The Spine" is derived from the striking geometric staircase located to the north of the building, which is inspired by the form of human vertebrae. The venue boasts panoramic views of Liverpool City Centre and beyond, as well as an impressive internal biophilic sky garden. The sky garden features high oxygen-producing plants, which help to create a healthier environment proven to increase productivity. The garden is designed to reconnect people with nature and improve well-being.

Space at The Spine is one of the healthiest buildings in the UK, having achieved a platinum WELL standard accreditation. This recognition is given to buildings that meet strict standards for air and water quality, lighting, acoustics, and other factors that contribute to health and well-being.

Overall, Spaces at The Spine is an exceptional venue that offers a unique combination of modern facilities and a natural, healthy environment. It is the perfect location for ASEC 2023.
ASEC 2023 Sponsorship

ASEC 2023 offers opportunities to promote your business to the delegates and exhibitors. Our events attract senior systems engineers from a broad range of industries, many of whom help to shape investment decisions within their organisations. You can display your company’s products and services at an exhibition stand or raise your company’s profile through sponsorship.

The full description of the opportunities can be found online in the Sponsorship Opportunities document.

Event Material: Online Programme, Handbook and Proceedings (up to 3 Sponsors) - £1,235 (+VAT)

This package offers your company the opportunity to place your branding on the Online Programme, Event Handbook and Proceedings. This is a fantastic offer which allows for your brand to be prominently placed where delegates are most likely to see it. The Event material package offers the following benefits:

■ Corporate logo on the front of the Online Programme, Handbook and Proceedings.
■ Corporate logo featured inside the event Handbook in the sponsors page.
■ Corporate logo on the event website.
■ Sponsors will also have the option to put corporate flyers on the ASEC ‘promotional table’ or submit a PowerPoint slide for the ASEC Exhibitors, Sponsors and UKAB PowerPoint (16:9) which will be displayed on a screen in the exhibitors area.

The deadline for this opportunity is Friday, 28th July 2023

If you would like to secure a sponsorship opportunity for ASEC 2023 please email the events team at events@incoseuk.org. Early booking is recommended.

On receipt of a request to sponsor at ASEC 2023, we will issue the contract and terms and conditions.

Exhibiting at ASEC 2023

ASEC 2023 offer opportunities to promote your business to the ASEC delegates. Our events attract a wide diversity of attendees from the Systems Engineering community and delegates from other communities interested in taking a Systems Engineering approach to complex systems; many of whom help to shape investment decisions within their organisations. You can display your company’s products and services at an exhibition stand.

For more information about securing an opportunity to exhibit at ASEC 2023, the Exhibitor Opportunities document can be found online.
Professional Registration

Register with INCOSE UK

Professional Registration is offered by INCOSE UK at three levels: Chartered Engineer (CEng), Incorporated Engineer (IEng), and Engineering Technician (EngTech). To become competent, engineering professionals typically undergo a process that combines formal education, additional training, and professional development through experience. If you are a Systems Engineer looking to pursue Professional Registration, here are some reasons why you should consider INCOSE UK.

ACCREDITATION

INCOSE UK is accredited by the Engineering Council UK, which means that registration with INCOSE UK can lead to the internationally recognized Chartered Engineer (CEng) or Incorporated Engineer (IEng) professional registrations. This accreditation provides credibility and professional recognition for Systems Engineers.

QUALITY STANDARDS

INCOSE UK has a robust registration process that meets high-quality standards, ensuring that Systems Engineers are assessed fairly and objectively. The registration process involves a thorough assessment of an individual's knowledge, skills, and experience against the UK-SPEC (UK Standard for Professional Engineering Competence) and INCOSE's competency framework. This process helps to ensure that registered Systems Engineers are competent and capable in their field.

CAREER DEVELOPMENT

Registration with INCOSE UK can enhance career development opportunities for Systems Engineers. It demonstrates a commitment to the profession and a willingness to adhere to high standards of professionalism. INCOSE UK offers a range of professional development opportunities, including training courses, networking events, and access to the latest developments and trends in Systems Engineering.

RECOGNITION

Registration with INCOSE UK provides recognition for Systems Engineers, both within the profession and outside it. It demonstrates that they have met the rigorous standards required for professional registration and that they are committed to the ongoing development of their knowledge and skills. This recognition can help Systems Engineers to advance their careers and to be recognized as experts in their field.

PROFESSIONAL REGISTRATION ADVISORS

PRAs are a valuable tool that can support peer renewal initiatives. It is crucial to have PRAs with a strong background in Systems Engineering who can provide a peer review and understand the language of the industry. Registering with a small institute, such as INCOSE UK, provides a personal approach and can also be beneficial in fostering successful relationships.

Overall, registration with INCOSE UK can benefit Systems Engineers in many ways, including professional recognition, career development, and access to a network of like-minded professionals. The rigorous registration process and accreditation by the Engineering Council UK ensure that registered Systems Engineers are competent and capable in their field, providing credibility and recognition both within and outside the profession.
# Certification

## SEP Certification Renewals

Lots of our members have worked really hard to get their ASEP, CSEP and ESEP Certification, but what happens afterwards? If you haven’t had to renew your Certification yet, or you’ve forgotten what is required, we’ve put together a few True or False statements to fill in those knowledge gaps for you.

<table>
<thead>
<tr>
<th>Question</th>
<th>True or False</th>
</tr>
</thead>
<tbody>
<tr>
<td>Once I have gained INCOSE SEP certification my accreditation is valid forever? True or False?</td>
<td>False (but true for ESEP’s)</td>
</tr>
<tr>
<td>I need to take the exam again to renew my certification? True or False</td>
<td>False</td>
</tr>
<tr>
<td>You must use the Professional Development Unit (PDU) Log to record PDU’s for renewal? True or False</td>
<td>True</td>
</tr>
<tr>
<td>If I do not renew my certification before my expiry date, I lose my certification? True or False</td>
<td>True and False</td>
</tr>
<tr>
<td>My INCOSE UK Membership has lapsed therefore I have lost my certification. True or False</td>
<td>False</td>
</tr>
<tr>
<td>If I transfer from INCOSE UK to another chapter I keep my certification? True or False</td>
<td>True</td>
</tr>
</tbody>
</table>

A Systems Engineering Professional certificate is only valid for a period of 3 years for CSEP and 5 years for ASEP. The date of the renewal period starts on the same month and day of the week as the original certification. ESEP is valid indefinitely, but INCOSE UK membership must be maintained.

To renew your certification, you need to complete a Professional Development Unit (PDU) Log. You need to submit a minimum of 120 PDU’s to renew, and can carry over a maximum of 30 PDU’s over to your next renewal period. It is the same process for both ASEP and CSEP certification renewals.

If you do not renew your certification at all, then you will lose your certification. However, if you miss renewing your certification before your expiry renewal date and wish to renew at a later date, you can do so. You will need to submit extra PDU’s and you will pay a late payment fee on top of the standard renewal fee.

If you renew your INCOSE UK Membership your certification will automatically renew as long as it hasn’t expired. If it has expired, you would need to renew your certification following the renewal process. Please note that you cannot claim PDU’s for any period of time where your INCOSE UK Membership has lapsed.

If you transfer to another INCOSE chapter your certification will transfer with you. The same PDU log is used to renew your certification whichever chapter you belong to.

Hopefully, we’ve been able to answer lots of your questions around SEP Certification Renewals, but if you have any further questions, you can contact the Professional Development team on prodev@incoseuk.org for further information.
CSEP Competition!

What does being a CSEP mean to you?

If you are a CSEP, you could be in the chance to win this fabulous Gilet (Jorge not included).

We encourage you to unleash your creativity and let us know what being a CSEP means to you. We welcome any form of expression, from videos to photos to paintings, that showcases how you feel about being a CSEP. There are no limits to how you can share your perspective, so go ahead and let your imagination run wild.

Please send your entries to profdev@incoseuk.org by Friday 30th June.

We look forward to receiving, and sharing, your entries.

Good luck.

Certification

We would like to congratulate the following members who have recently attained ASEP, CSEP and ESEP. Members listed have given their consent to be published.
Case Study
Chris Davis

Chris studied in Electrical and Electronic Engineering at the University of Bristol and his final year project was in the simulation of factorisation and search algorithms for quantum computers.

Chris is interested in Systems Engineering because it is becoming more important as systems become larger, more integrated, and more complex. He thinks systems thinking is a valuable skill and would like to develop this for himself to contribute to future rail projects.

Read Chris’ full case study here.

Case Study
Jack Sutherland

Jack is a senior Systems Engineering consultant working for Synoptix. Alongside his technical facing role with UK defence clients, he provides the day-to-day line management of early careers engineers – balancing their development needs with the organisation and business objectives.

Jack says achieving ASEP has given him the confidence that his Systems Engineering understanding is robust and has gained knowledge from the handbook that he didn’t appreciate was missing from his experience.

Read Jack’s full case study here.

Professional Development Webinars 2023

The Professional Development programme of Webinars continues throughout 2023 and covers a broad range of subjects including, Professional Registration, Continuous Professional Development and Certification clinics.

To register for any of the listed event, please email profdev@incoseuk.org.

- 17th May 2023 - Professional Registration Webinar
- 14th June 2023 - Professional Registration Webinar
- 12th July 2023 - Professional Registration Webinar
- 16th August 2023 - CPD Clinic
- 13th September 2023 - SEP Certification Clinic
- 11th October 2023 - C/D/E Competences Clinic
- 15th November 2023 - Professional Registration
We are hiring across our systems engineering division with opportunities across multiple locations and for varying levels of experience.

Join Atkins, a member of the SNC-Lavalin Group, as a Systems Engineer in our growing Aerospace, Defence, Security and Technology division, and you'll be part of a team that provides independent and objective advice in mission-critical sectors.

In a culture that never stops developing and investing in new capabilities, we turn bold ideas into reality. Here, you'll be supporting complex systems engineering projects through the application of systems thinking and systems engineering methodologies. The work is complex, and we thrive on collaboration. You'll bring your own skills and expertise to the mix and enjoy knowing everyone is pulling together to get the job done.

Our projects vary greatly in size, scope and scale. And there's no such thing as one-size-fits-all with Atkins. With such a broad range of significant projects for you to work on, you'll have lots of opportunity to grow and challenge yourself.

We know that different people have different priorities, which is why we're here to support you with whatever you need. We've designed our flexible and remote working policies around our employee's wellbeing.

Find out more and apply today at Aerospace, Defence, Security and Technology. Careers.atkinsglobal.com
Endorsed Training Providers Course

The Absolute Beginner’s Course on MBSE

Scarecrow Consultants Ltd. will be running “The Absolute Beginner’s Course on MBSE” from the 27th - 29th June 2023.

A complete overview of MBSE and how it can be used in your business. This three-day course covers: MBSE in One Slide; evolution of MBSE in your organisation; structural & behavioural modelling; using modelling to capture different views of a system; ontologies and frameworks; standards mapping; needs modelling; framework definition.

This will be held virtually using the Teams platform.

To book your place visit the INCOSE UK website.

More information about the Endorsed Training Provider scheme can be found on the INCOSE UK website.

INCOSE UK Publications

The Don’t Panic! Series

Thorough, short and easily digestible guides.

Available to purchase via the INCOSE UK online store.
Don’t Panic Japanese Translation

The Japanese Translation of “Don’t Panic! – The Absolute Beginner’s Guide to Model-Based Systems Engineering” is now available to purchase as an eBook through the INCOSE UK Online store.

This book is the first of the Don’t Panic! series and aims to provide an honest, straightforward and simple introduction to the world of Model-Based Systems Engineering that almost anyone can understand. It is co-authored by Jon Holt and Simon Perry.

Jon is an international award-winning author and public speaker, he is also the current Technical Director of INCOSE UK. Simon holds Bachelor degrees from both the University of Leeds and the Open University, often speaks at Systems Engineering conferences and is the author of six books on Systems Engineering and related topics.

Don’t Panic! – The Absolute Beginner’s Guide to Service Systems and Services

Services and Service Systems are all around us, and in the UK they contribute 80% of its GDP.

Systems Engineers often forget to incorporate the need for services into systems thinking. However, the good news is that services, and the systems that support them, can be readily analysed and therefore understood by using a tailored set of the tools and techniques that Systems Engineers often use.

Don’t Panic! - The Absolute Beginner’s Guide to Service Systems and Services is an extension of the Don’t Panic series. Written by Simon Wright, the book shows, using many real-world examples, how an initial understanding of service systems and services can be achieved.

Don’t Panic! The Absolute Beginner’s Guide to Service Systems and Services is available to purchase in both paperback and eBook format from the INCOSE UK Online store.
Early Careers Forum

System Engineer in a Year

ECF have started 2023 as we mean to go on, with the first three sessions of ‘Systems Engineer in a Year’, the kick-off of the ECF Outreach Forum, and the ongoing planning of a mid-year in-person event. Following the success of last year’s Handbook Series, ‘Systems Engineer in a Year’ has been well received, with interactive sessions tackling topics such as Systems Thinking, MBSE and what it means to write technical papers for INCOSE UK. These sessions will continue monthly throughout the year, and we look forward to running more of them!

With the conclusion of this year’s committee elections, we are delighted to welcome Nintse Dan-Thé as Deputy Chair and Rebecca Ridler as Outreach & Comms Coordinator. Both of them are settling into their new roles well, and are already proving to be valuable members of the committee.

ECF Session Online

The first session of the “Systems Engineer in a Year” sessions is now online. This session is an introduction to paper writing, topic selection, and the INCOSE UK ASEC review process. Presented by Beth Fitzpatrick, Amelia Jephson and Jon Holt. The full session is available to view on the INCOSE UK YouTube channel.

Introducing…

Nintse Dan-Thé
Deputy Chair

Systems Engineering still remains a tightly-knit yet ever expanding discipline, and I am keen to help develop its foothold across the industry, having been inspired by the multitude of passionate, forward thinking Systems Engineers.

Rebecca Ridler
Outreach and Comms Coordinator

I’m an early careers engineer at Synoptix with a passion for inspiring the younger generation about engineering. I want to get more involved with the work that the ECF supplies to engineers, give back to the engineering community, and help inspire the next generation of future engineers.

More information about the Early Careers Forum can be found on the INCOSE UK website.
INCOSE UK News

I’m A Volunteer

I’m a Volunteer and I do...

Alex Catley

Alex’s journey started as a STEM ambassador. He says it was a great way for him to get involved with the volunteering community and inspire the next generation of engineers whilst challenging the views of what it is to be a professional engineer. After obtaining his professional registration he became a professional registration assessor with the IET before deciding to become a professional registration assessor for INCOSE UK.

Alex chose to be an assessor for INCOSE UK as he wanted to give more to the organization which champions his engineering specialism and feels it allows him to show some appreciation to the volunteers that have helped him throughout his career so far and ensure the same opportunities are available to others.

You can read the full feature here.

I’m a Systems Engineer

I’m a Systems Engineer and I do...

Scott Reid

Scott didn’t choose Systems Engineering, he found he gravitated towards it throughout his studies.

He enjoys the variety of work, and finds you are able to work at different stages of the lifecycle and can easily jump between projects and even industries. He recommends you get as many experiences as you can as it gives you a great insight into the different types of work and allows you to focus on what interests you the most.

You can read the full feature here.
I'm a Systems Engineer and I do...

Anabel Fraga

Anabel discovered Systems Engineering whilst studying in the fourth year of her career at university and found the concepts and ideas presented to her interesting so took the second part of the course.

The course put her on a career path that, amongst other things, saw her become the president of the INCOSE Spanish Chapter and the INCOSE EMEA EWLSE (Empowering Women Leaders in Systems Engineering) and DEI (Diversity, Equality and Inclusion) Lead.

She suggests that young Systems Engineers work hard, have an open mind, be active listeners, consider themselves as facilitators and embrace equality as it will help them create better teams and achieve better results in their Systems Engineering career.

You can read the full feature here.

Ask us anything about SEP certification!

“What topics are covered in the INCOSE Knowledge Exam?”

“What education or degree is required for certification?”

No matter what you’re wondering about, we’re here to help.

We love hearing from our community and will feature your questions and our responses on both LinkedIn and our website.

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Service Systems Engineering Working Group

The SSE Working Group was formed in May 2016 and the next meeting will be our fiftieth! The group has around ninety registered members of which a group of nine form the core team. Details of our objectives, on-going work and the core team are on the website. The minutes of all our meetings are on the INCOSE UK Service Systems Engineering Wiki pages. The main page has a summary of the work done and the linked pages contain the detail.

This report is based on the minutes of the latest meetings.

ASEC 2022

Simon Wright provided the SSE Working Group’s presence at ASEC2022. Simon delivered:

- A tutorial on Service Systems Engineering
- Group Poster - supported interest shown by delegates between sessions
- The launch of the 'Don’t Panic!' Guide: to Service Systems Engineering
- Attendance at the Group Chairs meeting.

Overall, Conference was well attended and the ideas and work on SSE was well received.

Don’t Panic! Guide to Service Systems Engineering

Simon has authored this Don’t Panic! Guide which INCOSE UK has published as part of the Don’t Panic! Series. Members of the core Team reviewed the contents of the early drafts, with Jon Holt (Technical Director) providing guidance on content and Simon Perry (Series Editor) providing guidance on format.

On the technical work ideas, we are considering:

- Z Guide and/or Omega Guide for SSE
- How to get adoption by individual businesses or companies
- Relationship of Guide to SE BoK and other standards

Way Forward, Management

The Don’t Panic Guide has tidied off the work that has been on-going for several years and given us time to consider what we should do next and how we should work in future. However, we expect some further work on the Don’t Panic Guide as it gets into use in businesses.

Since Covid we have been meeting remotely and expect to continue this. We meet around once every two months for one hour. This has enabled core team members to attend as part of their working day.

We expect to continue as a working Group producing outputs into INCOSE UK.

We would like the working group to stay small but invite/identify further members. We may get these through comments received on the Guide but are considering the possibility of a larger interest group.

Copies of the 50-page guidance document itself are available on the INCOSE UK website.
INCOSE UK News

- Relationship to SE Lifecycle - product and/or service
- Procurement and Acquisition of services
- Testing and Evaluation of services
- Challenge and Evaluation of services.

Clearly this is far more work than we can handle quickly, so we could look at one- or two-year programme.

Summary

The INCOSE UK Service Systems group has reached an unofficial milestone with the publication of the Don’t Panic Guide by Simon Wright. Rollout of the Guide will enable its value to be realised. Now is the time to confirm or modify our way of working and consider which directions we should focus on.

Update provided by John Davies (Chairman)

2023 SYSTEMS ENGINEERING TRAINING

Introduction to Systems Engineering with Requirements Writing

Learn about the principles and practices of systems engineering including an overview of the processes required for successful systems engineering project delivery. New for 2023 is a specialist Requirements Writing Module with workshop which provides students the techniques necessary to write clear, concise and correct requirements.

Registration is now open for the following UK dates:

- 11-12 July | 24-25 October

INCOSE Systems Engineering Professional Exam Preparation

For those working towards the INCOSE Certified Systems Engineering Professional (CSEP) accreditation, our preparation course is specifically designed to prepare you to confidently sit the examination.

Registration is now open for the following UK dates:

- 2-5 May | 3-7 July | 11-15 September | 4-8 December

We take a flexible approach to the delivery of our training courses and we can deliver training on customer site for multiple delegates. For more information and to secure your place, visit: https://bit.ly/2RwVcmA

TALENT......NUREIT
INCOSE UK would like to welcome the Queen Mary University of London as the newest member of the INCOSE UK Advisory Board.

The School of Engineering and Material Science (SEMS) at Queen Mary University of London (QMUL) is offering a MSc programme in Data-Centric Systems Engineering and will launch a Degree Apprenticeship (Level 7) in Systems Engineering in September 2023. SEMS is setting up an Industry Advisory Board for the above mentioned two programmes (with prospective members drawn initially from Airbus, Ford, NATS, BT, Department of Transport, INCOSE, and NASA) to make sure that our curriculums are in line with the occupational and educational standards set up by the Institute for Apprenticeships & Technical Education and INCOSE. There is also a long track of world-class research at SEMS on both theoretical and practical aspects of Systems Engineering. Our research in Systems Engineering is driven by industry requirements and has been applied in real complex settings, such as air traffic management, commercial aircraft engines, telecommunication, and material design.

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