SE PRACTICAL 6th and 7th October 2025

Name of the presenter:	**Stephanie Sharo Chiesi**, luna@alum.mit.edu or schiesi@gmail.com
Topic headline:	**From Rocket Science to Common Sense: A Shortcut to Systems Thinking**
Topic content:	I once was in a musical theater performance where we struggled to create a cue between an actor and musician for a simultaneous sound effect timed to the actor's movement. There was no direct line of sight between the two, and each idea only added more people and more latency to the problem. Similarly, different disciplines work in their own contexts and are not always aware or observant of what goes on with other parts of the system. It isn't until there is an event, like a delivery or worse a failure, that suddenly there is a need to connect the pieces. Systems engineers are the connective tissue of a program by defining the context, behavior, and structure of the system and the way different disciplines are connected and allocated through the system lifecycle. Using digital ecosystems, systems engineers can find the path of least resistance or greatest speed to the answers sought. We can differentiate the problem, and without the calculus!
Brief presentation of the presenter:	Stephanie Sharo Chiesi is a SERC doctoral fellow at Stevens Institute of Technology and a Senior Director of Engineering at General Atomics - EMS. Ms. Chiesi is a CSEP and member of the first cohort of the INCOSE Technical Leadership Institute, as well as an inventor with 5 awarded patents. Ms. Chiesi holds two bachelor's degrees (Aeronautics/Astronautics and Biology) and a master's degree in Aeronautics and Astronautics all from MIT.

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Name of the presenter:	**Farah Deeba &** **Shihab Kolparambath**
Topic headline:	**Working with requirements in the Offshore Wind Industry**
Topic content:	The offshore wind business has matured from a new market into a developed market in the last decade. Our energy solutions are becoming more complex due to the changing market and changing energy grids that they connect to. Hence, the management of the requirements in a structured way is becoming more and more important. We will present our solution in Ørsted, which is in line with the INCOSE guidelines, and give a use case from one of our projects
Brief presentation of the presenter:	As a Systems Engineering Manager with over 3 years of experience in the wind energy sector, Farah specializes in applying core systems engineering principles to drive project success. Farah focuses on coordinating multidisciplinary teams, managing stakeholder requirements, and mitigating design risks to deliver reliable and efficient wind energy solutions aligned with industry's best practices and standards. Shihab is the Senior Lead Specialist within the System Design and Performance team and has been with Ørsted for more than 10 years. As the team's specialist, Shihab is responsible for establishing the tools and processes needed to deliver end-to-end system performance for offshore wind farms. He is also leading the Requirements Management Project within Ørsted Engineering—an initiative aimed at establishing a structured framework to identify, verify, and validate engineering requirements in line with the V-model and systems engineering principles.

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Name of the presenter:	**Matthew Wylie,** matthew.wylie@shoalgroup.com
Topic headline:	**Value-based tailored application of SE**
Topic content:	Traditional application of SE, founded in the development of military systems, has tended to promote highly structured and rigorous approaches, that may also be very inefficient. In commercial contexts, and particularly for smaller scale organisations and projects, SE must deliver real value in terms of system/product performance, time to market and quality. This presentation is intended to provide pragmatic approaches on how best to tailor and implement SE, with practical insights and examples of how SE can be applied, in resource limited environments, to deliver clear value to organisations.
Brief presentation of the presenter:	Matthew is the Head of Engineering at Shoal Group, with experience in application of SE across automotive and electronics product development, and in the definition and development of defence, rail and energy systems.

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Name of the presenter:	**Mike Johnson, mike@se-training.net**
Topic headline:	**Pragmatic decision making**
Topic content:	The fundamental value of the Systems Engineer is in taking accountability for making and enabling effective decisions on the development of complex technical systems. Many of the most challenging technical decisions relate to low levels of certainty. Do you do something, or do you wait?! Doing a poll of your colleagues will not increase this certainty, as they will likely have opposing views. This area of engineering is not an exact science. The Systems Engineer over many years to decades working on multiple projects, needs to develop effective methods for making informed decisions, especially knowing when to reverse a decision if some new information comes to light.
Brief presentation of the presenter:	Mike is a Systems Engineering Manager, Consultant, Trainer and Coach with extensive experience in delivering complex systems and establishing Systems Engineering in the Defence, Space and Medical sectors. His experience delivering complex technical systems has convinced him of how Systems Engineering establishes an effective framework for enabling pragmatic decision making.

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Name of the presenter:	**Henrik Balslev,** Managing Partner, ESEP Mail: hb@syseng.dk
Topic headline:	**The common language for systems by ISO/IEC 81346**
Topic content:	The ISO/IEC 81346 standard series simply take “systems thinking” as a premise for using it. Since 2012, this standard series has developed to become a true common language for all engineering disciplines. 81346 is a perfect starting point for new beginners in systems engineering: It enables the creation of a practical system model made with default predefined system elements, picked from the 81346 catalogues. Thereby users can easily make a model of any system. The 81346 model is a so-called “reference model” (RM). It has the practical feature that the content of the RM can be addressed to- and from any other (system) model. Thereby RM becomes a common point of reference which is easily understood both by humans and IT. See www.81346.com for more information.
Brief presentation of the presenter:	From the very beginning of my career as an electrical engineer, it has been implicit that components shall have a “TAG” name for reference purposes. In 1996, the ISO/IEC 81346 standard series was presented to me, and since then it has embedded in my professional life. I discovered “systems engineering” as a discipline late in my career, just after my 25 years anniversary, and immediately saw the match with 81346. Alongside acting as an expert in developing the 81346-standard series, we also apply 81346 in our own workflows for systems engineering. I look forward to sharing this practical approach with you and demonstrating how it can be used in daily work during this event