

TGCC Monthly Meeting

Anthony Bullion – Chapter President

Thursday, July 15, 2021





Agenda

- New Members
- Upcoming INCOSE Events
- OTC
- July Speakers
- Today's Speaker

New Members & Resources

- Kotesch Rao, Phillip Simpkins, Kathy Fatherree, Mohammad Moosajee, and Jonathan Crosley
- Chapter Information & Resources
 - <https://www.incose.org/incose-member-resources/chapters-groups/ChapterSites/texas-gulf-coast/chapter-home>
 - LinkedIn
 - <https://www.linkedin.com/groups/3790414/>
- Any chapter questions or suggestions for future speakers
 - Email tgcc.incose@outlook.com
- Getting to Know INCLOSE



<https://www.youtube.com/watch?v=vpStSoz2tI0>



31st Annual **INCOSE**
international symposium

VIRTUAL EVENT

July 17 - 22, 2021

Accelerating through Adversity

KEYNOTE SPEAKERS



Victoria Coleman

USAF Chief Scientist
Senior Advisor to the
Director at CITRIS & the
Banatao Institute,
University of California
Former Director of
DARPA
[View Biography](#)



Masayoshi Arai

Director-General,
Commerce and Information
Policy Bureau Ministry of
Economy, Trade and
Industry (METI),
Government of Japan
[View Biography](#)



Lex Hoefsloot

Co Founder of
Lightyear
[View Biography](#)

TEXAS
GULF
COAST



PROGRAM HIGHLIGHTS

120+ Papers, Presentations on Systems
Engineering
11 Panels
9 Tutorials
19 Countries Represented
24 Application Domains
39 Topics Represented

VIRTUAL PLATFORM

Over 160 presentations will be available on
demand 1 hour after the end of the session. They
will be available 24/7 through August 8th.

NETWORKING

Use private and group chats and virtual c@fé's to
discuss and exchange with the largest worldwide
Systems Engineers community. New questions
arise every day on the job. Consider how great it
could be to pick up the phone, or send an email, to
ask a colleague with similar experiences how they
have addressed the same challenge.



<https://www.incose.org/symp2021/home>

Join us for the 31st Annual INCOSE International Symposium

Accelerating through Adversity

Access IS2021 platform



July 17 to 22,
2021



Virtual Event

Event Schedule

Keynote Speaker

Registration Fees

Register as a sponsor

Event Time Zone

Americas - New York (EDT): 08:00 – 17:00
EMEA - Paris (CET): 14:00 – 23:00
Asia-Oceania - Sydney (AEDT): 22:00 – 07:00

Registration Fees

Registration Fees	
Full Symposium Member	\$750
Full Symposium PPP2 or PPP3 Member ^{3/4/5}	\$550
Full Symposium Associate Member ⁵	\$995
Full Symposium Senior Member ¹	\$550
Full Symposium Student Member ¹	\$300
Full Symposium Non-member	\$995
Full Symposium PPP2 or PPP3 Non-member ^{3/4}	\$795
Full Symposium Student Non-member ²	\$350
Tutorials	
Tutorials for full symposium registration	\$30 per tutorial
Tutorial pass (Saturday/Sunday only) - up to 2 tutorials	\$100



31st Annual **INCOSE**
International symposium

VIRTUAL EVENT

July 17 - 22, 2021

Accelerating through Adversity

SPONSORS SHOWCASE

The Sponsors Showcase is a great opportunity for delegates to learn more about your organization's latest products, practices, and services. Videos, flyers, private chats, open discussions with sponsors offer a large range of resources to know more about and from leading organizations and universities in systems engineering.

And new this year! The scavenger hunt: Each day check the form and answer the sponsors questions. Browse the sponsors showcase to find the right answers and win one of the great prizes offered by our sponsors.

KNOWLEDGE EXAM

The INCOSE knowledge exam is a critical step toward getting certified as an Associate Systems Engineering Professional (ASEP) or Certified Systems Engineering Professional (CSEP). Individuals registered for IS2021 may sign up to take the INCOSE knowledge exam remotely for a discounted price of 60 USD.

INCOSE SYSTEMS ENGINEERING PROFESSIONAL PDU CREDIT

IS2021 is part of the events eligible for PDU credit. You can claim 1 PDU credit towards your INCOSE Systems Engineering Professional (SEP) certification per hour of participation.





OFFSHORE
TECHNOLOGY
CONFERENCE
2021
#OTC2021

Offshore Technology Conference

16-19 AUGUST 2021 » NRG PARK » HOUSTON, TEXAS, USA

SE Activities on Tuesday, August 17th

- 8:00 – 10:00: **Free CSEP Exam**
- 10:14 – 12:04: **SE Technical Session**
 - Integration of Systems Engineering and Project Management to Deploy Effective Offshore Systems
- 14:00 – 16:30: **SE Panel Session**
 - Systems Engineering in Practice: Stories from Experts in the Field
- 6:00 – 9:00: **INCOSE Social**
 - Location TBD

- Volunteers for the TGCC booth at OTC
 - Will be reaching out to those that volunteered and need tickets
- Interested in taking the SEP exam please send us an email with <<OTC 2021>> in the subject line
 - TGCC.INCOSE@outlook.com

Cost to Attend - \$180 4 day as member of INCOSE

<https://2021.otcnet.org/>



OTC SE Sessions

Integration of Systems Engineering and Project Management to Deploy Effective Offshore Systems

- **A. Bullion**
 - Facing The Challenges Of Implementing Systems Engineering
- **A Hudson, J Marsh**
 - Transformation Of Digital Requirements: An Enabler For Successful Complex Projects
- **A. Postema**
 - Standardization of Procurement Equipment Specifications: Establishing A Strong Foundation For Oil & Gas Capital Project Development And Delivery
- **R. Climacosa, S. Matlock, J.A. Ollero, D.L. Miller**
 - Benefits Of Using Requirements Management Tools On A Digitized API 17O Document
- **M. Reed**
 - Data Centric Verification To Streamline Project Planning And Execution

Invited Organization: Systems Engineering in Practice: Stories from Experts in the Field

Moderator

- **Don Gelosh** - Worcester Polytechnic Institute

Speakers

- **Jon Holladay**, Systems Engineering Technical Fellow - NASA
- **Robert Perry**, CEO and President - Reach Production Solutions
- **Barclay Brown**, Engineering Fellow - Raytheon Technologies
- **Tom McDermott**, Deputy Director and Chief Technology Officer, Systems Engineering Research Center - Stevens Institute of Technology

Today's Speaker

Title: Systems Engineering Approach to Product Development within bp pulse (TBC)

Speakers: James Harley & Seb Lenik, Principal Systems Engineers, bp pulse (UK)

Abstract:

With the rapid change in the public's views on climate change and the need to de-carbonize, many traditional energy providers not only need to change their core energy product offering (petroleum) to cleaner energy (electricity) to help reduce the carbon footprint, but also need to design novel and innovative ways to provide electrical energy to consumers. These new products are 'smart' from inception, and are becoming smarter due to constantly evolving customer needs, goals and government legislations. Companies such as bp pulse have realized that approaching these smart products with traditional product design approaches will not suffice and this is why they are introducing a left shift approach i.e. Systems Engineering to understand and design their products.

bp pulse provides electric charging points and infrastructures for Electric Vehicles (EVs). As the increase in demand of these products rises with the adoption of EV's, so will the complexity of the products which will span multiple 'contexts' and contribute to smarter and more efficient features. The systems engineering approach being applied to this product development, will help manage the complexity and contribute to safer, more reliable, and higher quality products.

This approach will be described, including the trials and tribulations of trying to gain momentum within such an established and typically 'non-systems engineering' industry.

Speaker Bios:

James is a Chartered Engineer with INCOSE UK, and has a BEng in Systems Engineering, Loughborough University, UK. He has 10 years of applying MBSE within the UK Defence industry.

Seb has BSc in Design and Innovation, University of Portsmouth, MSc in Design & Transport, Coventry University and a Professional Diploma in User Experience (UX). He has come from a background of using Systems Engineering in the UK Automotive industry and has gained a lot of experience in defining early concept and system work for multiple vehicle programs over many years.



Today's Speaker

Topic: My 5 year Systems Engineering journey in Shell

Speaker: Kiran Krishna, Shell

Speaker BIO:

Kiran is a Systems thinker with a passion for engineering and over 20 years of international research, industrial and management experience in Process Safety, Systems Engineering and Digitalization, in project and operational roles. He is an engineering chameleon with proven track record in various engineering roles across Oil & Gas, Nuclear, Wind, as well as Finance and Business Management. Kiran has spent the past 5 years driving the Systems Engineering and Digitalization agendas within Shell and across the Oil and Gas Industry. He is a PhD in Chemical Engineering from Texas A&M University and is a Fellow of both the Institution of Chemical Engineers (IChemE) and the Institution of Mechanical Engineers (IMechE).



Other INCOSE chapters Activities

- **INCOSE Enchantment Chapter (NM and El Paso)**
 - <https://www.incose.org/incose-member-resources/chapters-groups/ChapterSites/enchantment/chapter-home>
- **INCOSE Los Angeles (LA) Chapter**
 - <https://www.incose.org/incose-member-resources/chapters-groups/ChapterSites/los-angeles/chapter-home>
- **INCOSE Washington DC Metro Chapter**
 - <http://www.incosewma.org/events>
- **INCOSE Maryland Chesapeake Chapter**
 - <https://www.incose-cc.org/upcoming-events>
- **INCOSE North Texas Chapter**
 - <https://www.incose.org/incose-member-resources/chapters-groups/ChapterSites/north-texas/chapter-events>