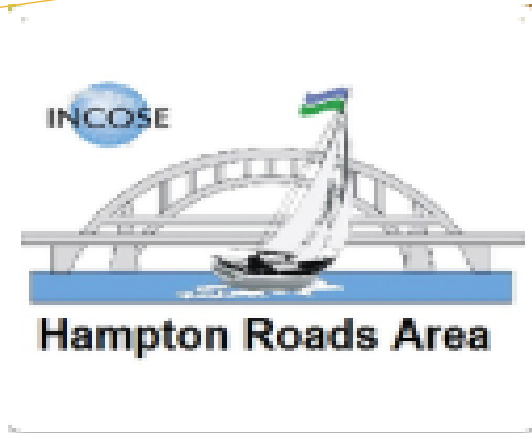# INCOSE-HRA

this issue

REED INTEGRATION, INC.

Chapter Sponsor

"Reed Integration, Inc. is an Engineering Services Company with innovative management and technical processes that have allowed us to become a recognized leader - more nimble and efficient than larger companies. Government and industry clients rely on our expertise in life cycle systems engineering from planning to requirements to projects closeout. Whether these processes involve assessment of mission management practices and project risk for NASA, functional analysis and requirements definition of Vessel Traffic Services for the U.S. Coast Guard, or specification and testing of port security modeling and simulation tools for Virginia Port Authority, we can help you harness the power of your investments in human capital and equipment".

INCOSE-HRA 2020/2021 Board of Directors

Welcome to the INCOSE Hampton Roads Area (HRA) chapter. We are a local community of professionals consisting of systems engineers dedicated to excellence in the practice, as well as others that utilize "systems thinking" - or just simply have an interest in the field. That's right, not all INCOSE members are systems engineers by trade, training or profession, but we're all dedicated to involvement in strengthening the systems engineering community of Hampton Roads, Virginia. An area of rich history including space exploration and military, our Hampton Roads chapter provides a unique membership base that offers networking opportunities at every turn. We invite you to join us for a fun, educational and social chapter dinner meeting, of which we hold 10 each year. You belong in our systems thinking community! We invite you to check out our web site over the course of this year, contact any of our board members and become familiar with what INCOSE, systems engineering and HRA can do for you and your career - now. If you'd like to network professionally, this is the right place. We have engineers, IT professionals, managers, directors, and presidents in our ranks. We are diverse, friendly and helpful. **We are currently accepting Nominations for every position for the 2021 year!**

President - Devon Stanley

VP- Chapter Development - Quineice McGee

VP- Technical Development - Will Ferguson

Treasurer - Celine Baysal

Secretary- Robert Iannuzi

Past President - Ben Hudson

Director at Large for Programs - Veronica Speller

Director at Large for Membership- Celine Baysal

Director at Large, University Liason - Daniel Lee

Director at Large, Government Liaison- Vacant

Director at Large for Training and Education- John Clark

Director at Large for Communications- Daniel Lee

Webmaster- Vacant

Contact information can be found at the INCOSE-HRA Website at the link below:

https://www.incose.org/incose-member-resources/chapters-groups/ChapterSites/hampton-roads-area/about-this-chapter/2020-officers

Thanks and Farewell to Past President Jeff Brown and Program Director Alex Stone.

Wishing Jeff Brown all the best as the Navy moves him to San Diego and the best to Alex Stone on his promotion and upcoming move

P.E.C Banquet Award Winners

John Clark, CSEP receives the Engineer of the Year Award at the 50th Annual Peninsula Engineer of the Year Awards Banquet from the Peninsula Engineers Council

Mr. Clark is an internationally renowned Systems and Software Engineering expert, a published author, an active member of INCOSE, Chief Engineer at Northrup Grumman Corporation (ret.), and involved in his church and community. Mr. Clark continues to build on his 50+ year career serving with INCOSE as the founder and co-chair of the Training Working Group, Process Improvement Co-Chair, tutorial developer and instructor. His work with INCOSE is recognized by numerous awards including the coveted INCOSE Outstanding Service Award (2010) and INCOSE Technical Operations Award (2014) NGC honored Mr. Clark with the Exemplary Performance Award for Multi-Sector Collaboration for developing the NGC SE Handbook. During his career with NGC, Mr Clark held roles including Corporate SE Instructor, founder of the INCOSE Community of Practice (CoP), Agile SE CoP, and the NGC SE Handbook Working Group. He received a BSEE from Penn State and an MSEE from State University of New York.

INCOSE member Celine Baysal - Doug Ensor Award Young Engineer of the Year Nomine at the Peninsula Engineers Council 50th Annual Peninsula Engineer of the Year Awards Banquet
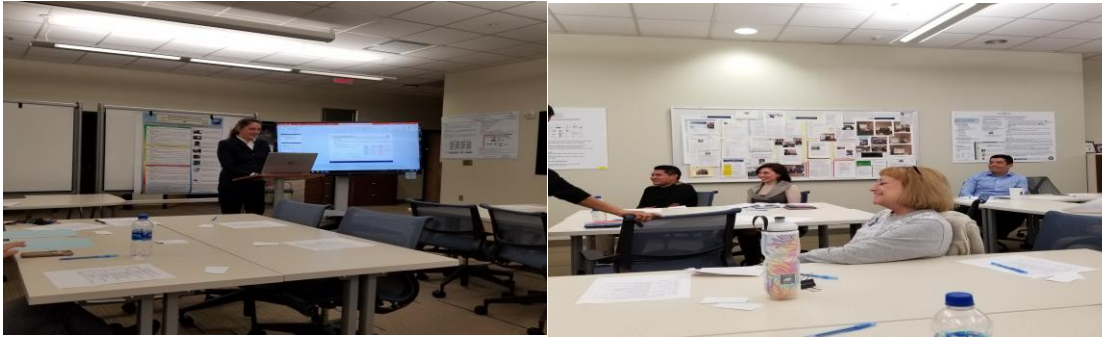
Celine Baysal has been an Engineer at Newport News Shipbuilding since 2016. Celine holds a Bachelor of Science in Industrial and Systems Engineering (ISE) from Virginia Tech. Celine has had technical leadership over multiple projects during her time at Newport News Shipbuilding including the development of visual project management tools that automatically integrate schedule and risk and have been implemented on multiple programs, definition of requirements for outsourcing processes, and definition of requirements for the digital thread within the CVN 80 coatings value stream. Celine currently works in the Manufacturing and Systems Engineering department of the Waterfront Engineering Division. She is responsible for modeling systems within the company, defining their current and future states, and seeing to the implementation of solutions to improve system performance.

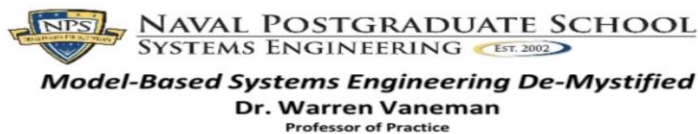## January Elizabeth River Crossing Meeting

Elizabeth River Crossing - not just Tunnels. Construction and Tolling in Motion. Presented by Doug Wilson, CEO. At ERC office in Portsmouth.

ODU Research Sprint

Management and System Engineering (EMSE) Doctoral Students will provided brief overviews of their research. Local students presented in person in our EMSE Collaboratorium. Distance Learning students participated via WebEx.

April Chapter Meeting – Presentation by Dr. Warren Vaneman

May Chapter Meeting – (ISC)2 Joint Meeting

The Joint (ISC)2/INCOSE meeting featured – William Gorman, Newport News Shipbuilding, Cybersecurity Manager who presented on Vunerability Management.

Nicole Suscello, Christopher Newport University Graduate Student, presented on "Reducing risks of password reuse through random character requirments and image promoting".

If there are any new members, please reach out to the chapter. We would love to hear from you!

If there are any new ASEP , CSEP, or ESEP members , please let us know so that we can recognize your accomplishments!

June Chapter Meeting - Presentation by Dr. Jerry Sellers

"MBSE: Why? What? How?" This presentation provides a broad overview of a very deep subject— Model-based Systems Engineering (MBSE). Following a brief introduction, the value proposition for MBSE is examined to understand why it evolving as an essential element for any complex project. A tour of what MBSE artifacts are possible with focus on diagrams. Finally, examples of how MBSE has been used in a variety of case studies and applications are presented. "Live" model demonstrations will also be provided followed by Q/A.

INCOSE HRA is looking to Stregnthen the Leadership team for 2021.

If you are interested in serving the local Chapter in any role , Please submit any intrest or nominations using the link below.
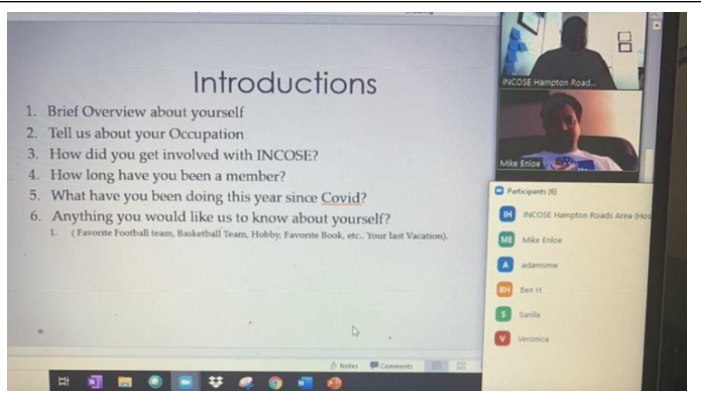
Nominations will close November 31, and Elections will be held the first week of December.

For elections, the nominees will be sent out , and the chapter membership will be able to vote. New leaders will be installed during the first Board of Directors meeting in January.

Please submit Nominations and Intrest using the following link:
https://docs.google.com/forms/d/e/1FAIpQLSfCqjroFI_i6kJZn84xJMNJkAh_dlz4ZRhs2i8iJfgBR GJ7SQ/viewform?usp=sf_link

September Chapter Meeting – Membership/Networking Social

Since Covid-19 hit us earlier this year, we have not been able to meet in person. This Chapter meeting gave members the opportunity to introduce themselves , network, and find out what everyone has been up to during the pandemic.

INCOSE-HRA 2020 Chapter Survey

Please Help our chapter by participating in the chapter survery sent out in march. The survey will remain open until January 2021

The INCOSE HRA Chapter is working on increasing the value of your INCOSE membership. In order to better server you, we hope you take the time to take a short survey:

https://forms.gle/YMwqr58YPwnfUpk76

Your INCOSE-HRA Leadership Team is dedicated to continuously improving the services wanted and needed by our chapter. Your input as an INCOSE member is extremely valuable to planning for the the year.

The INCOSE-HRA Chapter will Continue to collect surverys through The second quarter and will post The results in the Q3 Newsletter.

The purpose of the Chapter

is to foster the definition, understanding, and practice of Systems Engineering in industry, academia, and government.

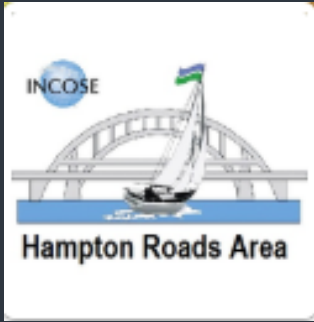## The objectives of the Chapter:

Support and implement the goals and objectives of the International Council on Systems Engineering and will represent the views and interests of the local members to the INCOSE.

Provide a focal point for dissemination of Systems Engineering knowledge.

Promote professional standards for integrity in the practice of Systems Engineering.

Improve the professional status of all persons engaged in the practice of Systems Engineering.

Encourage governmental and industrial support for research and educational programs that will improve the Systems Engineering process and its practice.

Upcoming Events

- **November 6th – Systems Engineering Mini-Series Event.**

The INCOSE Hampton Roads Chapter and Reed Integration, Inc. will be providing a FREE Systems Engineering Mini-Series Virtual Event

Systems Engineering Mini-Series Virtual Event , Session 1 is scheduled for Friday, Nov 6, starting at 12:30pm

Presentations will be 40 mins, last 5 mins are Q&A

Agenda – Basic SE Life Cycle Steps/Part 1: Planning & Requirements

- 12:30pm = sign on, chapter welcome/intros, INCOSE updates, etc.

- 1pm – 1:45pm = SEMP with Ian Presland/Charterhouse Systems – United Kingdom

- 1:45pm – 1:50pm = Short break/switch instructors

- 1:50pm – 2:35pm = Requirements with Xavier Houle/Reed Integration, Inc.

- 2:35p -2:45pm = Wrap & Reminder for Session 2 in January 2021!

Please register for Free using the link below:

https://www.eventbrite.com/e/systems-engineering-mini-series-virtual-event-tickets-125646970471

- **December Chapter Meeting - TBA**

- **January – TBD- Systems Engineering Mini-Series Event Part 2**

Announcements

- **Reed Integration is Hiring!**

https://reedintegration.com/who-we-are/careers/

OLD DOMINION UNIVERSITY

School of Continuing Education

Prepare for Systems Engineering Professional Certification with ODU

Demonstrate your competence through the most recognized global certification in Systems Engineering, the International Council on Systems Engineering (INCOSE) Systems Engineering Professional Certification.

Spring 2021 Cohort begins January 19th - April 28th

Instructor: John O. Clark, CSEP

An undergraduate degree is required for this three (3) credit graduate course. A candidate can be a non-degree seeking student, a current ODU degree seeking student or an alumni.

Visit the link below for more details

https://www.odu.edu/cepd/engineering/incose-prep