



## Meet the 2018 Board of Director Candidates

### Chesapeake Chapter 2017 Elections

#### President-Elect

*The INCOSE Chesapeake Chapter is actively seeking candidates for the office of President-Elect. Anyone interested should contact any current Chapter Officer or Director.*

#### Secretary



Tammy Kolarik, ASEP

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Ms. Tammy Kolarik is currently employed by the Johns Hopkins University Applied Physics Laboratory in Laurel, Maryland where she has provided systems engineering, project management, and other technical support with a focus on test and evaluation. Tammy earned a bachelor's degree in electrical engineering from Virginia Tech, master's degrees in electrical engineering, applied mathematics, and technical management from the Johns Hopkins University, and a master's degree in psychology from Walden University. Her interests include engineering education and helping students explore and enter STEM fields. Tammy has been a member of INCOSE for 14 years and obtained her INCOSE ASEP Certification in June 2017. She has also obtained PMI PMP certification.

#### Programs Director



Dr. Chandru Mirchandani, ESEP

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Dr. Michandani is a Senior Staff Systems Engineer (SE) with Leidos in the Aviation Programs Organization. He is a George Washington University Adjunct Professor in Engineering Management & Systems Engineering. He is a 2011 INCOSE Fellow Award Recipient and was selected for outstanding contributions to the theory and practice of systems engineering as a practitioner and educator.

Dr. Mirchandani has a BS in Electrical Engineering (EE) a Masters in Engineering (EE), a Master of Science (MS) in Reliability Engineering, and a PhD in Systems Engineering. He is a Technical Project Manager & Lead Systems Engineer in the development, design, integration: Testing of Space Systems.

He has been a Technology Chair for: national, international symposia and conferences; and been invited to participate in Earth Science Technology Operations and Distributed Space Systems workshops developing long range future

technology needs. He has managed, consulted, and participated in technology reviews, technology infusion programs-systems engineering: data handling systems, scientific space instruments, ground-based processing systems. Dr. Michandani has provided technical leadership and development in defining systems objectives; hardware, software, functional, performance and

Dr. Michandani has taught courses in Reliability, Maintainability and Availability, Object Oriented Design and Systems Engineering. He is a Systems Engineer and Architect participating in development of conceptual designs and concepts for Advanced Traffic Management Systems and Intelligent Vehicle Highway Systems. He is the RMA Lead for: ERAM, Data Comm, TBFM, NGI and TFDM Programs, developed requirements and assessed development effort; developed models to analyze, assess and predict RMA for system alternatives. He has presented technology, consulted with system and electronics engineers to design boards; provided technology feedback on queries and reviewed design at schematic level; attended reviews. He developed and designed: test scenarios, data sets, plans and procedures - telemetry processing systems.

He has published, presented and participated in national and international technology conferences; working groups: advancement and updates: technologies and standards. Qualified System Architect and member: System Architecture Group for Aviation and Security System Programs. He has proposed, developed IRAD proposals to SOMO, AIST, NASA RFPs for new technologies; won as Co-PI with JPL on AIST proposal. Finally, he has participated in evaluation, integration, and test activities: Application Specific Integrated Circuits for Space Missions.

## Membership Director



Mark Kaczmarek, ASEP  
[mkaczmarekengr@comcast.net](mailto:mkaczmarekengr@comcast.net)

Mark has over 35 years of professional experience as a Software Systems and Systems Engineer. He has 21 years of experience at Link Flight Simulation building Aerodynamic and Engine Mathematical Models for Aircraft Flight Simulator Trainers. Mark has an undergrad from Parks College of St. Louis University in Aeronautical Engineering. He has a MS degree in Applied Engineering from the Watson School of Engineering at Binghamton State University of New York. Mark has been in several Officer positions from 1986 to 1999 for the Southern Tier Section of the AIAA (American Institute of Aeronautics and Astronautics) in New York. Currently, Mark is employed by Lockheed Martin Corp. in Hanover, Maryland. Mark has been an active Committee member of the Chesapeake Chapter since May 2010 and is the current Membership Director for the 2015-2017 term.

**Position Statement:** My organizational skills will be a value-add to the Board of Directors (BOD). I have continually encouraged engineers to join INCOSE as well as consider certification. I have coordinated INCOSE CC's participation in local job fairs in hope to expand our membership base. I have presented multiple book reports for the monthly newsletter in hope that it brings a higher interest in systems engineering across multiple disciplines. My experience will bring value to the membership and expand the Chesapeake Chapter's horizon. I plan to do this by collaborating with other Societies and groups so we can promote INCOSE, Systems Engineering principles and Systematic Methodologies within the engineering communities.

Being an INCOSE member has been a great benefit to my Professional growth. By becoming an Officer, this has allowed me to return those benefits back to the rest of the membership.