# Chapter Meeting

6:00 PM, Tuesday February 12, 2019   www.incose-coa.org

## Program:

**Review of INCOSE IW2019**

INCOSE's International Workshop is the event of the year for systems engineers to contribute to the state of the art. Unlike INCOSE's annual International Symposium and other conferences, there are no paper, panel or tutorial presentations. Instead, attendees spend 4 days working alongside fellow systems engineers who are there to make a difference. Systems Engineers at all levels and from all backgrounds are encouraged to engage in working sessions and contribute their knowledge and experience to take the discipline forward.

In this panel discussion, fellow CoA members: Bill Schindel, Bob Kenley, Mike Celentano, and Bill Bihlman will provide a recap of the INCOSE IW 2019 highlighting INCOSE's latest initiatives and the emerging trends in Systems Engineering.

**Panelists: Bill Schindel, Bob Kenley, Mike Celentano, and Bill Bihlman**

**A SSM-TRIZ METHODOLOGY FOR BUSINESS PROBLEM STRUCTURING**

The second half of our technical program will consist of an overview of soft systems methods and how they can be employed to develop a better understanding of product and Systems Engineering processes.  A presentation will review an Checkland's SSM approach to resolve problems with conflicting or contradictory elements with TRIZ-based analysis, acknowledging that soft problems can have conflicting relationship among their elements.  This SSM-TRIZ joint methodology is also being used to examine the development of a Professional Development platform for INCOSE.

**Speaker: Ibukun Phillips**

**Meeting Location / Host Site (see included directions and map to host site and parking)**

Roche Diagnostics
9115 Hague Road, Building "D"
Indianapolis, Indiana

**Satellite Site**

No satellite site this month

**Remote Access: If you cannot attend at the host location, join us remotely:**

Web access: https://incose.pgimeet.com/GlobalmeetTwo (join as a GUEST)

Audio: (719) 457-1414

Guest Passcode: 514-684-9877

**Meeting RSVP**

To assure we have a (complementary) meal and seat reserved for you, please email your plan to attend to Chris Hoffman at diesel_chris@me.com. You do not need to be an INCOSE member to attend!

**Event Schedule**

| | |
|---|---|
| 6:00 – 6:10 | Arrival, Security Check In |
| 6:10 – 6:30 | Light Meal, Informal Networking |
| 6:30 – 7:00 | Business Meeting |
| 7:00 – 8:00 | Program |
| 8:00 PM | Adjourn |

**Business Meeting:**

- Call to Order
- Approve/update minutes from previous Chapter meeting
- Announcements
- Treasurer's Report
- Old Business
- New Business

**CROSSROADS OF AMERICA CHAPTER**

**Speaker(s) Biographical Sketches:**

**William D. (Bill) Schindel** is president of ICTT System Sciences. His engineering career began in mil/aero systems with IBM Federal Systems, included faculty service at Rose-Hulman Institute of Technology, and founding of three systems enterprises. Bill co-led a 2013 project on the science of Systems of Innovation in the INCOSE System Science Working Group. He co-leads the INCOSE Patterns Working Group.

**C. Robert Kenley** is an Associate Professor of Engineering Practice in Purdue's School of Industrial Engineering. He has over thirty years' experience in industry, academia, and government as a practitioner, consultant, and researcher in systems engineering. He has published papers on systems requirements, technology readiness assessment and forecasting, Bayes nets, applied meteorology, the impacts of nuclear power plants on employment, and model-based systems engineering, and agent-based modeling for systems of systems. He is an expert systems engineering professional (ESEP), and a Fellow of INCOSE

**Mike Celentano** has been influencing the Medical Diagnostics field since 1987. He has experience in systems engineering, advanced research, engineering management, product development, and technology management.

Mike has dedicated his career to developing multi-disciplined instrumentation used to diagnose & monitor disease to ultimately help improve the quality of healthcare globally. He has worked for Technicon, Miles, Bayer, Seradyn, UMM and Roche. Mike is currently the Program Leader for Global Adaptive Technologies at Roche Diagnostics Diabetes Care in Indianapolis. His charter is to evaluate and expedite new technologies and features that could benefit Roche's diabetes patients, caregivers, and payers.

Mike has a B.S. in Electrical Engineering from N.Y.I.T. He achieved SE certification at the highest level in 2017. Mike has been granted many global patents related to medical diagnostics. Through his involvement in INCOSE Mike is striving to make Systems Engineering practices more common-place in the Biomedical Industry. Mike founded the INCOSE International Healthcare Working Group. He currently serves on the Board of Directors for INCOSE at the international level.

# INCOSE
## International Council on Systems Engineering

## CROSSROADS OF AMERICA
## CHAPTER

**Bill Bihlman** founded Aerolytics in 2012. Its focus is market share enhancement for OEMs and its suppliers. He started his career in 1995 as an engineer with Raytheon Aircraft, eventually serving as Project Engineer. Subsequently, he was Senior Consultant with AeroStrategy (now part of ICF Int'l). He spent four years working in the US office. Bill led multiple engagements and was responsible for two major intellectual property initiatives, including the Aerospace Raw Materials model. This forecast is presented regularly at the industry's premier conferences. Other areas of research include aerospace clusters, new product/market development, supply chain, and due diligence. Bill holds a BS and MS in Mechanical Engineering from Purdue University, an MBA and MPA from Cornell University, and is a licensed pilot.

**Ibukun Phillips** is a master's student in the School of Industrial Engineering at Purdue. He obtained his bachelor's degree in Industrial/Production Engineering from University of Ibadan, Nigeria in 2014. His current research is on Business model innovation and he is applying that to International Council on System Engineering (INCOSE)'s Professional Development Initiative. He is also a student member of INCOSE.  Email: poluwase@purdue.edu

INCOSE
International Council on Systems Engineering
CROSSROADS OF AMERICA
CHAPTER

## Directions to Host Meeting Site: (Indianapolis)

Roche Diagnostics, 9115 Hague Road, Building "D" - just off East 96th Street at I-69. Take the first south turn off of 96th Street east of I-69 (at the gas station), leading you onto Hague Road:







Roche

**Roche Diagnostics Campus Map**

■ Entrances
■ Visitor Parking
■ Employee Parking

Enter building D at South entrance. Due to self-locking security doors a member inside may have to let you in.

**Campus Legend:**

A    Reception, Administrative Offices, Centralized Diagnostics, Molecular Diagnostics
B    Applied Science
C    Manufacturing and Engineering
D    Research and Development
E    Education Center
G    Manufacturing Support, Wellness Center
H    Patient Care, Customer Focused Fulfillment, Customer Service
J    Donor Building
K    Facilities Warehouse
L    Technical Services, R&D Engineering,
O    Kit Packaging
P    Information Technology
Q    Mail/Copy Center
R    Reagent Manufacturing
T1   Storage
T2   Adecco and EMS
T3   Storage
U-U  Roche Insulin Delivery Systems
        11800 Exit Parkway, Fishers, IN, 46038
V-V  Accu-Chek Customer Care / IT
        10300 Kincaid Dr., Fishers, IN, 46038
W    Finished Goods Warehouse
W5   Raw Material Warehouse
YY   Additional Warehouse
        7988 Center Point Drive, Suites 200 & 300, Fishers, IN 46038