



*Welcome to the  
INCOSE Cleveland -  
Northern Ohio  
10<sup>th</sup> Anniversary  
Celebration*

*April 10, 2018*



# Program



- Social Greeting
- Welcome & Introductions
- INCOSE & Chapter History
- Dinner
- Keynote Speaker
  - Mr. Charles Steiner/Cleveland Clinic Innovations Team
- Chapter Awards and Recognition
  - Accomplishments, Certifications and Past Officers
- Closing Remarks



# Welcome and Introductions



- Welcome to all Chapter members and our key note speaker, Mr. Charles Steiner
- Welcome to our past BoD members



# A Quick History of the Cleveland-Northern Ohio Chapter

2008-2018  
Dennis Rohn



# INCOSE



- A few industry\* representatives met in San Diego in 1989 to discuss the need for systems engineering training and professional development
- A second, larger meeting, was held in Seattle in 1990 to discuss the need for an organization
- Several meetings were held in 1991 to plan and form the National Council on Systems Engineering, which was legally chartered in California on November 22, 1991, with 65 members
  - The first Symposium was held in Chattanooga, in October 1991, as a joint meeting with the American Society for Engineering Management



\* - Aerospace and Defense



# INCOSE Growth



- By 1993, over a dozen Chapters existed
- In June 1995, the articles of incorporation for NCOSE were amended to take on an international role, and change its name to INCOSE.
- There are currently:
  - 30 Chapters in the Americas Sector
  - 16 Chapters in the EMEA Sector
  - 9 Chapters in the Asia-Oceania Sector
- For more information on INCOSE history:
  - 15<sup>th</sup> Year History presentation by Jerry Lake
  - 1998 article in *Systems Engineering*, by Eric Honour
  - 20<sup>th</sup> Anniversary Brochure
  - INCOSE at Twenty-Five Brochure





# Emerging Chapter – 2007



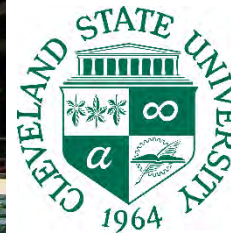
- John Juhasz offhand remark at IS2006 about the need for a SE collaboration in Cleveland
- Discussions continued, including at IW2007, and a thought of a Cleveland Chapter emerged
- John Juhasz, Marton Forkosh, Dan Gauntner, and Dennis Rohn, were the core organizing team
- First information meeting held at CSU, June 5, 2007
- Bylaws were adopted August 29, 2007
- Application to Charter the Chapter was submitted to INCOSE in December 2007
- Interim Officers and Committee Chairs were:
  - President: John Juhasz, VP: Dan Gauntner, Secretary: Dennis Rohn, Treasurer: Ann Delleur, Programs: Dan Gauntner (acting), Communications: Sean Beckman, and Membership: Deborah Niemira



# The Beginning – 2008



- On February 22, 2008, a letter was received from the INCOSE President, Pat Hale, indicating the Chapter was officially Chartered.
- Five Chapter meetings were held that year
- The chapter grew in membership from ~30 to 45







# Building Traction – 2009



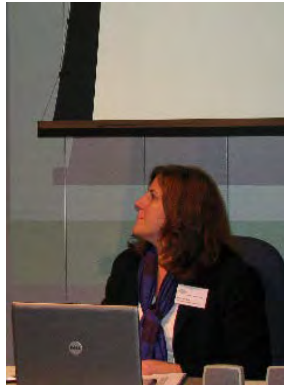
Five Chapter meetings; 3<sup>rd</sup> Great Lakes Regional Conference;  
growth to over 55 members



The  
University  
of Akron



# Building Traction – 2009 GLRC3





# Growing – 2010-2013

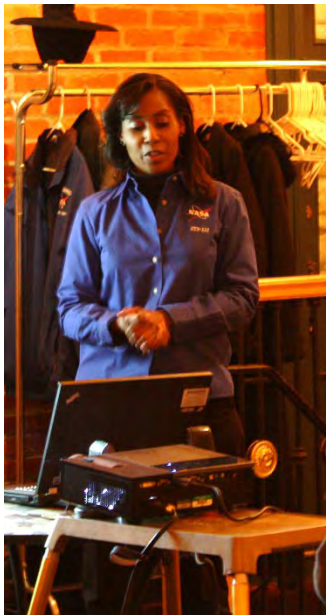


41 Chapter Meetings/Events, including CSU, UofA, Parker Hannifin, and GSLC venues, and an Astronaut as a speaker





# Growing – 2010-2013





# Sustaining – 2014-2018

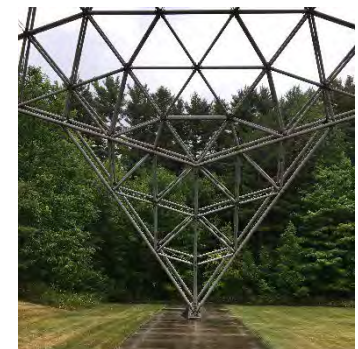
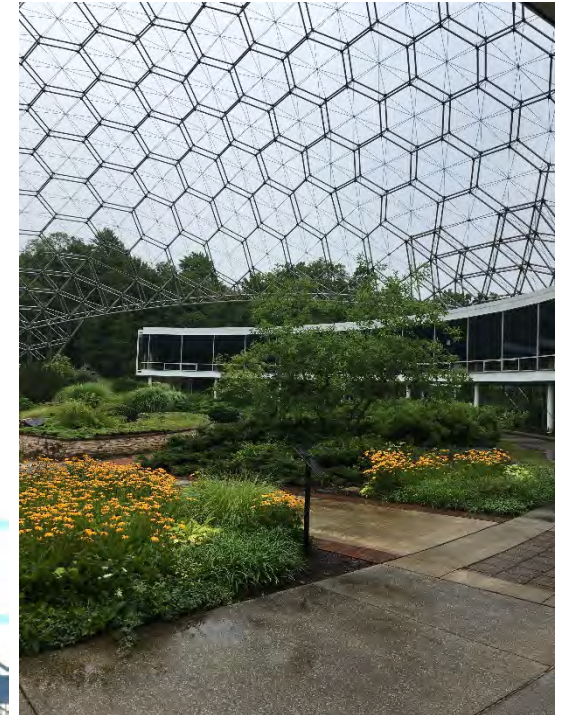


46 Chapter Meetings/Events, including GLRC9, a MBSE tutorial and & a PDD



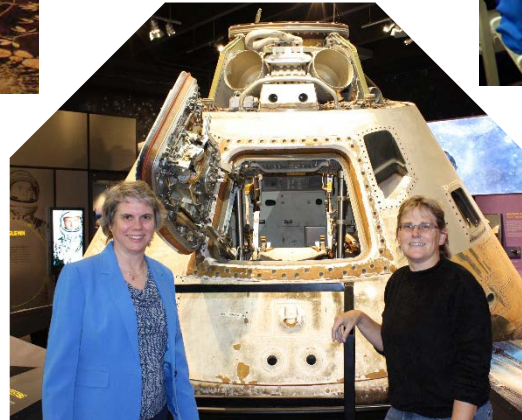


# Sustaining – 2014-2018





# Sustaining – 2014-2018 GLRC9 - 2015





# Event Summary



- IW/IS & other meeting recaps
- Planning/Business Meetings
- Social Events
- Outreach Meetings
- Technical Tours
- Energy
- Applied SE
- CSEP
- SE ROI
- Techniques
- Tools
- Training/Workshops
- MBSE
- SE Related Topics
- Historical Perspectives
- Topical Discussions
- Conferences





# Chapter Heritage



## Our Rich Heritage of Past and Present Chapter Officers

Year	President	VP	Secretary	Treasurer
2008	John Juhasz	Dan Gaunter	Dennis Rohn	Ann Delleur
2009	Dan Gauntner	Tony Johnson	Tony Jannette	Dennis Rohn
2010	Tony Johnson	Dennis Rohn	Cody Farinacci	Alan Richard
2011	Dennis Rohn	Joel Knapp	Cody Farinacci	Alan Richard
2012*	Joel Knapp	Cody Farinacci	Bill Klinger	Lowell Wolfe
2013	Cody Farinacci	Bill Klinger	Carl Dister	Lowell Wolfe
2014	Bill Klinger	Carl Dister	Katie Trase	Marian Cronin
2015	Carl Dister	Marian Cronin	Katie Trase	Ernest Ansu-Gyeabour
2016	Marian Cronin	Katie Trase	Brad Gilliam	Ernest Ansu-Gyeabour
2017	Katie Trase	Joe Stevens	Tim Schuler	Marian Cronin
2018	Joe Stevens	vacant	Tim Schuler	Marian Cronin

\* A Director for Commercial Outreach was also elected in 2012: Paul DeSantis



# Our Future.....



- Beginning in 2017, our chapter made a commitment to invest time and resources toward promoting SE awareness across Northern Ohio
  - The BoD recognizes the importance to engage with local area colleges/universities as well as High Schools to build awareness of our technical profession
  - The BoD recognize this is a most ambitious plan and we are very enthused about our new initiatives
- We are beginning to see some very positive signs of progress with engineering students at CWRU
  - Successfully completed our initial "meet and greet" with a number of students from various engineering disciplines in Oct 2017
  - Plan for follow up meeting in April 2018 with members from our BoD
- Additional opportunities are beginning to emerge with OSU
- Actively seeking new recruits (current members and new – students) to support this new initiative



# Key Note Speaker



Mr. Charles Steiner is the Director for Business, Commercial and Product Development at Cleveland Clinic Innovations. He has been developing and commercializing medical technology for 28 years in the fields of surgical navigation, minimally invasive surgery, surgical simulation, neuromodulation and healthcare information technology. He currently manages the technology development program for Cleveland Clinic Innovations a program which invests in commercially viable projects to validate their technology, de-risk future investments and generate increased value for the intellectual property holder. Additionally he is the program manager for the joint Cleveland Clinic & IBM Watson advanced cognitive computing initiative, a collaborative project with the Cleveland Clinic Lerner College of Medicine. Charles is the holder of 6 US Patents, many of which are current components of clinical devices or processes. Charles has advised several early stage medical technology companies through pre-seed, seed and later rounds of funding. Two companies Charles has advised have been acquired by strategic investors with another two rapidly approaching monetization.



# Awards/Recognition



Year	President	VP	Secretary	Treasurer
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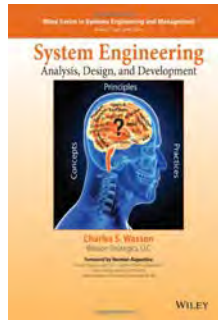
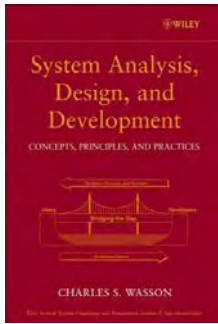
# Member Accomplishments



Critical Infrastructure WG  
Power & Energy Systems WG



John Juhasz  
Ray Beach  
Charles Alexander



Charles Wasson  
(former member)

Understanding Regional Complexity Seminar  
*Advocating, Creating and Transporting Change Across the Nexus*

Carl Dister

Significant Contributor to INCOSE BOD

Richard Wray



## Our Team of Certified Systems Engineers



### ESEP

- Richard Wray



### CSEP

- Sean Beckman
- Paul DeSantis
- Carl Dister
- Eric Hoelle
- Michael Hurrell
- Katrina King
- Joel Knapp
- Stephen Voels
- Kirk Wolf
- Stuart Yeo



### ASEP

- Marian Cronin



# Closing Remarks



- Again, The BoD and Chapter Members thank our guest key note speaker for participating in one of our more significant chapter milestone events
- As we hope many of you will sense from tonight's event, we not only have a rich and proud history but we are just beginning to scratch the surface on what we can do for our Northern Ohio community (companies and working professionals)
- To accomplish our vision we know we can always count on a few dedicated core personnel however, we would also like to expand our latest initiative to include more chapter member and also seek ways to include our future stars
- We look forward to the work ahead and hearing from our chapter members.



*Thank You INCOSE C-NO  
Chapter members*