



# The NorthCoast Interfacer



**2008**



**2009 – 2013, 2015-2016**



**2014**

## President's Corner

In my previous letter to the chapter, I mentioned part of our goals for 2018 will include seeking new and exciting speakers as well as promoting system engineering throughout our local area communities. Beginning this April, we immediately began executing these two very important goals as well as celebrated a significant milestone for our Chapter - the 10<sup>th</sup> Anniversary of becoming a chartered organization within INCOSE in 2007. During the celebration, we recognized past member accomplishments as well as those in our chapter who are recognized as an INCOSE Certified Systems Engineer. Along with those accomplishment, we were also very fortunate to have as our feature speaker, Mr. Charles Steiner, Innovations Manager at the Cleveland Clinic. Mr. Steiner provided us with some most appreciated insights into what the Clinic is doing to promote innovation and technology in the field of medical devices and procedures. The many innovations that are born out of the Clinic not only for the benefit them as a recognized world leading organization but also for the medical sector world-wide. It is also worth mentioning here, your chapter leaders are identifying ways to build mutual and productive relationships within our local community between local professional organizations and some State of Ohio government offices. In the following short paragraphs, I would like to take the opportunity to expand on the thoughts that struck me during Mr. Steiner's wonderful and at times humorous presentation as well as the initial meeting that I had earlier in that day with two officers at the Cleveland Engineering Society (CES).

First, almost everybody I know is aware of the Cleveland Clinic as a recognized global leader in medical innovation as well as introducing many of the latest medical processes/procedures for state-of-art technologies (such as robotics assisting in surgical procedures). One of the more advanced concepts that is under considerations at the Cleveland Clinic is establishing an integrated framework of applications and tools to assist a practitioner with an interactive system that can aid in a diagnosis and interactions between doctor and patient. The future of medical services is rapidly advancing from its initial introduction of robotic systems to assist in intricate

surgeries to having a future capability that will allow surgical procedures to be performed by an expert for a patient that would otherwise not have local access to such expertise. In other words, tele-operating in medical procedures will be as common as we are beginning to see today in areas of remotely piloting and operating unmanned vehicles. The confluence of our two professions are destined to come together in a collaborative way in support of solving problems such as this due to the many similarities of performing remote operations (such as medical robotic operations or replacing human in the loop for unmanned vehicle operations) on very complex systems. Designs for many of these systems will undoubtedly share similar architecture frameworks for designing networks and their necessary interfaces to perform real-time task executions.

Next, the other key area we are focusing is in outreach to build more local relationships with other professional organizations, universities and high schools as well as beginning to explore the possibility of working more closely with city and state government. Recently, I met with two officers at the CES where I was introduced to their rich engineering heritage that dates to the late 1800's. Their long history includes several prominent engineers who were CES members and became recognized globally as innovate pioneers and leaders in technology (primarily in the automotive and aerospace sectors). Some of the names mentioned included Mr. Donald Douglas, who was employed as the Chief Engineer at the Glenn R. Martin Company in Cleveland Ohio. He later went on to start his own company called the Douglas Aircraft Company (today is part of the Boeing Aerospace Company).

Today, CES continues to have strong linkages to a number of key individuals in the science and engineering fields throughout the US. We discussed potential opportunities to combine our resources and reach out to them and extend an invitation to potential future speakers. It is our belief that by building a foundation of mutual collaboration between our chapter and local community professionals, we can connect with local area leaders who can provide us with a broader perspective of what is needed from us to provide relevant system engineering awareness or perspectives that otherwise would not be thought of or considered.

These previous reflections are very important to bring to your attention for they represent just two of the many exciting opportunities we have as a professional organization. It may seem obvious to many of you that making good professional connections and networking with other professional organizations is vital to our interest in promoting system engineering awareness. To effectively and efficiently interact with these great leaders and many of our fine local organizations requires the continued and tireless efforts of our dedicated BOD as well as help from our some of you – our respected and valued current members. That said, I want to offer my most earnest request that each of you consider becoming a part of our upcoming chapter activities for 2018. I will welcome and work with anyone who expresses and interest to join us in this mission. I believe anyone who wishes to volunteer approximately 2-4 hours per month (mostly from your home) can help us make a significant difference and contribution toward promoting system engineering in our community. If anyone wishes to learn more about this and perhaps other chapter opportunities, please feel free to contact me anytime.

In closing, I want to once again congratulate everyone for being a valued member in our chapter and reaching our a0th Anniversary milestone. We now begin looking forward to this year's activities and begin our journey towards the Chapter's 20<sup>th</sup> Anniversary.

*Joe Stevens*

C-NO President 2018

# Cleveland-Northern Ohio Chapter Celebrates 10<sup>th</sup> Anniversary



Socializing Prior to the Meeting

If you have been reading these newsletters over the past year, you know that our Chapter, the Cleveland-Northern Ohio Chapter of INCOSE, has been officially chartered for 10 years. On April 10<sup>th</sup>, we celebrated those 10 years, during our Chapter meeting at the Creekside Restaurant in Brecksville. Our Chapter President, Joe Stevens, serving as Emcee, kicked off the evening and welcomed attendees. Dennis Rohn provided a quick history of the Chapter and covered some Chapter highlights.

After a delicious meal, our Keynote Speaker, Charles Steiner, the Director for Business, Commercial and Product Development at Cleveland Clinic Innovations gave an inspiring talk about innovation at the Cleveland Clinic. Joe then recognized all of the attendees for their past roles in the Chapter, giving them a small token of appreciation, recognized some of the significant accomplishments of Chapter members and talked about future Chapter plans. The presentation charts that Joe and Dennis used can be found in the Library area of the Chapter’s web site.



Our Keynote Speaker, Charles Steiner, and Joe Stevens



Chapter Meeting Attendees

The meeting was attended by 13 current or former Chapter Board members, including Dan Gauntner, one of the original organizing members and the Chapter’s second President. The Keynote Speaker and two spouses rounded out the attendees. The token of appreciation given to Chapter attendees was a 3-D printed medallion, designed by former member Larry Trase.



Current Chapter Officers



## INCOSE 2018 International Symposium

The INCOSE 2018 International Symposium is coming to Washington D.C. IS2018 will be held at the Grand Hyatt Washington DC, July 7-12, 2018. The Theme for this year's Symposium is **Delivering Systems in the Age of Globalization**. INCOSE's Annual International Symposium is the largest annual gathering of people who do systems engineering, for four days of presentations, case studies, workshops, tutorials and panel discussions. The program attracts an international mix of professionals at all levels, and includes practitioners in government and industry, as well as educators and researchers. You can also take time to see our Nation's Capital. For more information visit the Symposium website: <https://www.incose.org/symp2018/home>.



**28<sup>th</sup>** Annual **INCOSE**  
international symposium

Washington, DC, USA  
July 7 - 12, 2018

## GLRC2018 Call for Proposals



2018 Annual INCOSE  
**Great Lakes Regional Conference**  
**SYSTEMS AT THE CROSSROADS**  
17 - 20 October 2018 | Indianapolis, Indiana

The Chapters of the INCOSE Great Lakes Region invite you to participate in the 12<sup>th</sup> Annual International Council on System Engineering (INCOSE) Great Lakes Regional Conference (GLRC2018) at Indianapolis, Indiana (hotel venue to be announced).

**When**

**17 – 20 OCTOBER 2018**

**Where**

**Indianapolis, Indiana**

**Theme****“SYSTEMS AT THE CROSSROADS”****GLRC2018 — Systems at the Crossroads**

[INCOSE Vision 2025](#) describes a landscape of opportunities, challenges, and evolving approaches to engineering the world of the future— a world of “systems”. Many of these issues represent “crossroads”, requiring conscious choices and action leading in new directions. “GLRC2018— Systems at the Crossroads” has been organized around a series of these crossroad issues, and provides opportunities for attendees to compare and advance their understandings and approaches to these important crossroad issues.

GLRC2018 will feature important topics from critical sectors such as aerospace, agriculture, biomedical & healthcare, defense, education, energy, environmental sciences, government, information, infrastructure, safety and security, space and transportation.

GLRC 2018 is for the entire Great Lakes community— not just INCOSE members and not just systems engineers. Our community is connected by our shared interest in the successful advance of systems vital to our regional and global prosperity.

GLRC2018 this year will feature an INCOSE **SE Professional Development Day (SE PDD)**. The SE PDD will be a virtual extension of the conference, with the featured sessions broadcast from Indianapolis to several satellite sites on Friday the 19th of October. Last year several groups participated in the **STEM** demonstration. GLRC 2018 has great interest in engaging the local area youth and looks forward to sponsors also supporting the STEM activities. GLRC2018 looks forward to hosting the STEM demonstration during the conference banquet reception.

[Explore the theme and the topics for GLRC2018](#) and invite yourself and other participants to submit proposals at [GLRC2018 proposal submission via EasyChair](#).

The GLRC2018 Planning Team is excited to open the GLRC2018 conference with an invitation to you and your constituents to visit the local attractions in Indianapolis and to come join us for an exciting time during this year’s theme- **“Systems at the Crossroads”**.

**“Stay tuned, more to follow ...”**

For questions and comments, please contact:

**GLRC2018 Outreach Chair**

[Everett T. Lewis](#)

## New Chapter Members

In April we had one new member join the Chapter: Olatunde (Tunde) Olowe.



Mr. Olowe is a seasoned Telecoms Engineer with 9+ years of work experience in data and voice provisioning, TCP/IP solutions, desktop and laptop support, VSAT, fiber optics, data analytics, systems analysis & design, power inverter and UPS technologies. He is currently a Graduate Assistant at the University of Akron, where he is studying for a Master of Science, Information Systems Management Degree. His expected graduation date is May 2019. Mr. Olowe has a Master of Science, Mobile Broadband Communications Degree from Lancaster University, United Kingdom, and a Bachelor of Technology, Electronic and Electrical Engineering Degree from Ladoke Akintola University of Technology, Nigeria

Welcome! The Board of Directors hopes the Chapter can aid you in your professional development, and looks forward to getting to know you.

*Dennis Rohn*

Cleveland-Northern Ohio Chapter Membership Chair

## Upcoming INCOSE Related Events

The list below provides a sampling of upcoming webinars and events that may be of interest to INCOSE members.

- May 8-9, 2017 – CSER 2018 16th Annual Conference on System Engineering Research
  - <http://www.sercuarc.org/events/16th-annual-conference-on-systems-engineering/>
- May 23, 2018 11:00 AM EDT – INCOSE Webinar: Applying Feature-based Product Line Engineering in Information-Centric Domains, by Jim Teaff and Dr. Paul Clements
- June 19-22, 2018 – IEEE International System of Systems Engineering Conference (Paris, France)
  - <http://sosengineering.org/2018>
- June 20, 2018 11:00 AM EDT – INCOSE Webinar: Evolution of Human-Systems Integration, by Guy André Boy
- June 24-27 – 125th Annual American Society of Engineering Education (ASEE) Conference and Exposition (Salt Lake City, UT)
  - <https://www.asee.org/conferences-and-events/conferences/annual-conference/2018>

- July 7-12, 2018 – INCOSE International Symposium 2018 (Washington DC)
  - <http://www.incose.org/symp2018>
  - Paper submittal deadline has passed
- July 22-27, 2018 – 62nd Conference of the International Society for the Science of Systems (ISSS) (Corvallis, OR)
  - [http://iss.org/world/ISSS2018\\_Corvallis](http://iss.org/world/ISSS2018_Corvallis)
- August 20-24, 2018 – 26th IEEE Intl. Requirements Engineering Conference (Banff, Canada)
  - <http://re18.org/>
- September 17-19, 2018 – AIAA Space 2018 Forum (Orlando, FL)
  - <http://www.aiaa-space.org/>

*Dennis Rohn*

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### **2018 Chapter Officers:**

**President:**

Joe Stevens

**Vice-President:**

**Secretary:**

Tim Schuler

**Treasurer:**

Marian Cronin