



**The Official Newsletter of the Washington Metropolitan Area (WMA)
chapter of the International Council on Systems Engineering (INCOSE)**

INCOSE WMA Newsletter Volume 2017, Issue 6

15 December 2017

President's Message



Dear WMA Members: Happy Holidays! It is hard to believe that we are almost at the end of 2017. This month we are holding our elections for the WMA Board of Directors, and I hope all of you take the time to vote at our on-line site (www.incosewma.org). It has been my pleasure and honor to service as President of the chapter this last year. Dr. Subash Kafle, our current Vice-President/President elect will take over the leadership on January 11th, and I know he will do an excellent job.

WMA had a very good INCOSE year. We started by having a large contingent at IW 2017; contributing to many working groups, along with educating and explaining how SE in the Federal Government is a bit (or a lot) different than our commercial counterparts. WMA has always had a strong involvement with the national INCOSE organization, and earlier this year several members (Gina Guillaume-Joseph, Kevin Weinstein, and Muhammad Islam) accepted National Leadership rolls. Our Tutorial (Shakila Khan) and Chapter programs (Ruchira Puri) provided some excellent topics and speakers over the year. Presentations were on most all the hot and up-coming SE topics you can think of. We also welcomed a 2nd Student Chapter (George Washington University) to our family and continue to expand our student outreach. That leads me to our continued successful STEM program (DeAnthony and Marshai Heart). WMA STEM efforts supported robotics teams, Cub Scout events, along with several local high school (and one national) science fairs.

In July, the chapter was represented at IS 2017 in Adelaide, Australia, where we received the Platinum Chapter award (the highest) as well as the President's Outstanding Chapter Award for 2016. We remain the largest chapter in INCOSE (excluding England.) At IS 2017 we represented the Chapter at many working group and organization meetings; the Chapter submitted several papers, and spent time explaining how our strong Federal involvement influences the understanding, definition and practice of SE. It was interesting to see how other Country SE programs seem to be dealing with similar problems as we do. We also began the task of helping to support IS 2018 here in DC next July. Hopefully you've heard about IS 2018 and are making plans to attend. It will be worth it! And don't forget IW 2018 next month as well.

This summer we changed our monthly chapter meeting format a bit, moving to a more network friendly site and removing the food charge. I hope that will get more members to attend and network at our monthly events. We also greatly enhanced our meeting and network audio visual capabilities, now bringing in four full support remote sites as well as offering live streamed meetings and library retrieval of past meetings. Our thanks to MITRE, Noblis, Vencore, GWU, and GMU for providing meeting space. Special thanks to the Kathryn Laskey, Barbara Staples, Dawn Hardesty, and Stephan Greene for their site support.

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Finally, a great deal of appreciation and thanks to Aujchariya (Bell) Rueangvivatanakij, our Communications Chair, who along with Daniel Hettema made the networking work. Bell has also done an outstanding job with the Chapter website, email and social media platforms.

One area of emphasis for WMA over the past two years has been to give our members more opportunities to take the ASEP/CSEP test, hopefully leading to more certifications. Together with the Chesapeake Chapter in Baltimore, we sponsored five testing sessions to date. Turn-out has been fantastic, and we plan to continue this effort in 2018 (the next one is at IS 2018.) We've received great support from the National INCOSE organization on continuing the practice.

For that kind of hard work, and if I had to choose a professional goal for WMA, it would be to make the INCOSE ASEP/CSEP/ESEP Certifications as synonymous with Systems Engineering (especially in the Federal space) as PMI's PMP Certification is to Project Management. We'll probably never see a CSEP requirement in an RFP, but maybe we can get project thoughts and job requirements to reflect the recommendation and need. The Americas Sector of INCOSE (which we are a part of) has really come together this year, and we are actively working within the sector to make our interests known as well as helping other Smaller Chapters be successful. The next time you travel, check the area for an INCOSE Chapter. They may have local knowledge or contacts that can help you. The SE community is expanding and the scope of SE continues to grow. WMA members, in and outside of the INCOSE organization, are heavily involved with influencing the thinking, technology, tools and direction of Systems Engineering. WMA members are heavily involved with IEEE, ISO, NDIA, OMG and other Organizations in developing and refining standards for our industry and others. SE expertise is, next to Cyber-Security, becoming the go to skill set desired by employers and customers. In other words, it is a great time to be an SE.

In closing, I'd like to thank everyone for the opportunity to be President of WMA and thank all those that help keep the WMA Chapter and SE ideals strong. My parting thought for all is, please join a Local or National INCOSE Working Group. It is our life blood and a fantastic way to learn and participate. Best of luck to all in 2018.

Sincerely,
William (Bill) Scheible
WMA President

New INCOSE CSEP

Congrats to INCOSE WMA President-Elect Subash Kafle on becoming the newest CSEP!

Chapter Happenings

2018 Election – Cast your vote today!

Voting is through December 20th, 2017.

[VOTE HERE](#)

The following is an expanded description of the responsibilities and efforts for each position. In addition to the respective position responsibilities board members are expected to attend monthly chapter meetings and quarterly board meetings.

1. **Vice President:** The Vice President/President-Elect shall assist the President and shall assume the duties of the President when the President is unable to perform these duties. The Vice President/President-Elect shall succeed to the position of the President upon completion of his/her term of office or if the President resigns.
 - Maintain, update, and interpret this Chapter Operating Plan
 - Identify, assign/action Chapter leadership (and committee staff/volunteers) and solicit input from Chapter Members with responsibility for specific INCOSE Circle Awards items. Track progress towards achievement of required “proof”, and working with Chapter Secretary capture items in appropriate Chapter repository for later collation and compilation into Circle Awards submission
 - Oversee the implementation of the INCOSE-WMA Chapter Awards Program
 - Work with the Membership Committee Chairman on membership drives and WMA member service
 - Assist the WMA President with all activities as needed
 - Creation of related SOPs
 - Contribute content to the newsletter
2. **Secretary:** The Secretary shall prepare minutes and action from all meetings of the CHAPTER Board and maintain all permanent records. The Secretary shall prepare formal communications between the Board and INCOSE and any other formal communication as required. The Secretary is also responsible for the permanent record storage and maintaining of WMA records, including executive actions and non-meeting motions.
 - Direct the maintenance and correctness of the Chapter records (on-line)
 - Record complete meeting minutes from all WMA chapter meetings, edit and distribute for comment
 - Assist the President with any procedural questions
 - Provide updates to INCOSE headquarters as required
3. **Director:** The Board shall have two At-Large Director positions for the chapter. The full responsibilities for the position shall be determined by the current chapter President in conjunction with the rest of the Board, based on the needs of the chapter, and shall remain as the Director’s duties during his term of office. The Director positions shall be for two years, and shall be staggered terms.
 - Directors have voting rights within the WMA chapter.
 - Directors will be expected to all attend all Chapter meetings and events as warranted
 - Directors fill a unique and special role in the operation of the WMA chapter, and can be expected to be tasked with a variety of work and support to make the chapter successful.

4. **Tutorial Chair:** The Tutorials Committee Chairperson shall manage tutorials, including arranging speakers, facilities, materials, and any other aspects of a full tutorial schedule for the chapter. The Tutorials Committee Chairperson shall create and execute a plan for tutorials in conjunction with the Programs Committee Chairperson to ensure coordination of events.
 - The Tutorial Chair also coordinates and assists with the frequent free tutorials and testing opportunities, many of which are done after hours and on weekends.
5. **Membership Chair:** The Membership Committee Chairperson shall manage active membership maintenance, including member recruiting and renewal, and research/advice the board of any trends that could result in positive or negative membership levels. The Membership Committee Chairperson shall create and execute a plan for performing the role. These activities will require coordination with the Communications Committee.
 - The Membership Chair will also be responsible to ensure that the INCOSE national records keeping is correct and reflects the true membership lists of the Chapter.
 - The Membership Chair will also represent WMA and assist the larger INCOSE organization with membership growth and expansion opportunities or programs.
6. **Ambassador Chair:** The INCOSE Ambassador Chair serves as an important value-added conduit for dissemination of information about Chapter plans, activities, and events. Additionally, he or she will provide the Chapter with organizational feedback as well as insight into what their organizations would like the Chapter to promote or support. In partnership with the INCOSE Corporate Advisory Board (CAB), the Chapter Board of Directors (BoD) may engage the Ambassador Chair in soliciting help from their companies or organizations for use of facilities, sponsorship of events, or other purposes. In turn, organizational participation in the Program may spawn an interest in becoming a CAB member. The Ambassador Chair will also solicit and coordinate other activities with additional Ambassadors within INCOSE WMA.

Local WMA Member Makes It to the Big Time

WMA Past-President Gina Guillaume-Joseph has been elected Direct for Outreach for INCOSE. Congrats Gina!

INCOSE 2017 Election Results by Danielle DeRoche | Nov 27, 2017

The Nominations & Election Committee is pleased to announce the results of the 2017 election. These individuals will join the INCOSE Board of Directors on Saturday, 20 January 2018 when they are installed during the opening plenary of the 2018 International Workshop in Jacksonville, Florida.

Position (Term of Office)

- President-Elect (2 years before becoming INCOSE President for 2020 and 2021): Kerry Lunney
- Treasurer (2 years): René Oosthuizen
- Chief Information Officer (3 years): Bill Chown
- Director for Outreach (3 years): Gina Guillaume-Joseph
- Director for Asia-Oceania (3 years): Serge Landry

Congratulations to our new officers and directors!

INCOSE Events

Annual INCOSE International Workshop 2018

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.

IW2018 facilitates working meetings for groups engaged in INCOSE's major projects and in international standards development, workshops to explore the Systems Engineering challenges in new sectors, opportunities for chapter leaders to meet and share best practice, support sessions to help you get the most out of INCOSE's shared working environment and a broad range of other technical meetings. Planned sessions will be published on the website as these become available.

When?

Saturday, January 20 – Tuesday, January 23, 2018

When?

Hyatt Regency Jacksonville Riverfront

225 East Coastline Drive
Jacksonville, Florida 32202
USA
+1-904-588-1234



28th Annual INCOSE International Symposium

Delivering Systems in the Age of Globalization

INCOSE's Annual International Symposium is the largest worldwide 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. The benefits of attending the Symposium include the opportunity to share ideas, network, build competency, pursue certification, contribute to the advancement of the profession through collaboration on tools, processes and methodologies, learn about new offerings in training and education, and forge new partnerships.

INCOSE offers a variety of options for sponsoring and exhibiting at IS 2018. Your presence as a sponsor for this event will identify your organization as a supporter of and leader in the profession of systems engineering.

When?

Saturday, July 7 – Thursday, July 12, 2018

Where?

Grand Hyatt Washington

1000 H Street NW

Washington, DC 20001

USA

Tel.+1 202 582 1234



What?

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.

Why?

Engage with your colleagues from the Systems Engineering community!
Learn about state-of-the-art methods and essential skills for Systems Engineers.
Find out how people are making a difference with Systems Engineering.

Other INCOSE Connected Events in 2018

- **Connected Medical Device & IOT Security Summit**
Jan 25, 2018 - Jan 26, 2018
- **CSER 2018 16th Annual Conference on System Engineering Research**
May 08, 2018 - May 09, 2018 - 8:00 AM - 05:00 PM
- **SYSICON 2018: The 12th Annual IEEE International Systems Conference**
Apr 24, 2018 - Apr 26, 2018
- **13th Annual System of Systems Engineering Conference**
Jun 19, 2018 - Jun 22, 2018
- **Abstracts due Oct 16 for 125th Annual American Society of Engineering Education (ASEE) Conference and Exposition**
Jun 24, 2018 - Jun 27, 2018
- **62nd Conference of the International Society for the Science of Systems (ISSS)**
Jul 22, 2018, - Jul 28, 2018
Corvallis, OR



SE Eminence Opportunities

INCOSE Technical Leadership Institute

INCOSE Technical Leadership Institute is a development program for active INCOSE members seeking to improve their leadership skills in open, collaborative environment.

Purpose:

The purpose of the Institute is to accelerate the development of systems engineering leaders who will exemplify the best of INCOSE and SE profession.

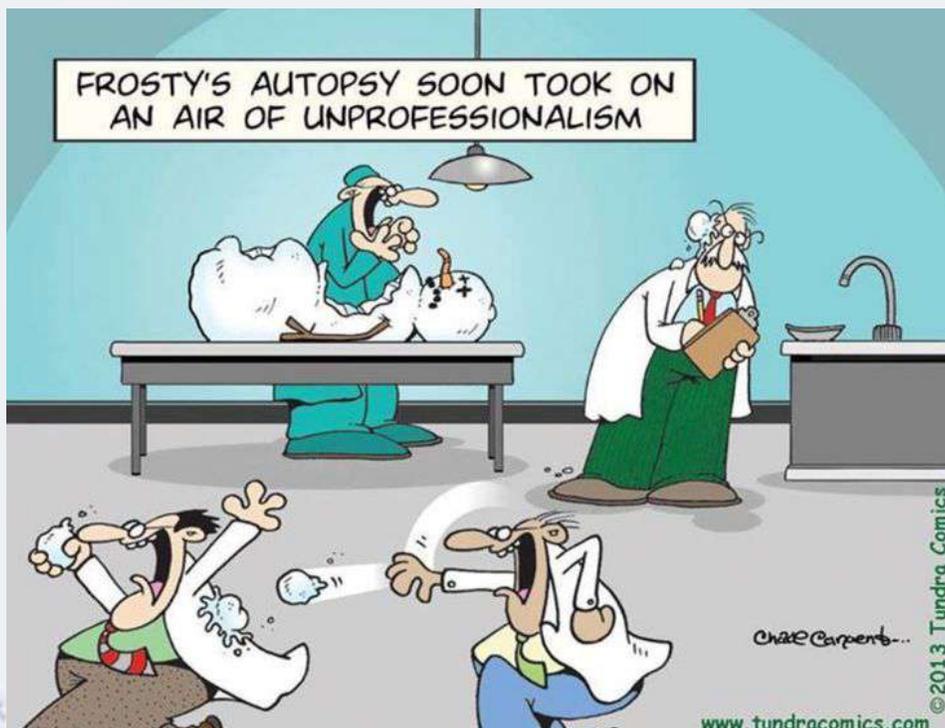
Program Overview:

The technical leadership institute is two-year program where new cohort is formed annually. There are four events per year: two face-to-face and two webcast. There are individual projects work between the events. Each cohort mentors the one following. The candidate for the cohort must be nominated by an INCOSE Chapter leader by submitting an application package and be recommended by their home organization.

The Benefits:

- Individual members will become more capable leaders within their organizations
- INCOSE will have a growing pool of capable leaders from which to draw on, filling leadership positions
- INCOSE's international reputation will be enhanced by helping to develop systems engineering leaders of the highest caliber

INCOSE Technical Leadership Institute is accepting nominations for their new cohort that is going to kick-off summer 2018. If you have a candidate you would like to nominate, please reach out to INCOSE WMA chapter BOD bodall@incosewma.org



Chesapeake Chapter Upcoming Events



CSEP/ASEP Exam Preparation Training – January 29-Feb 2, 2018

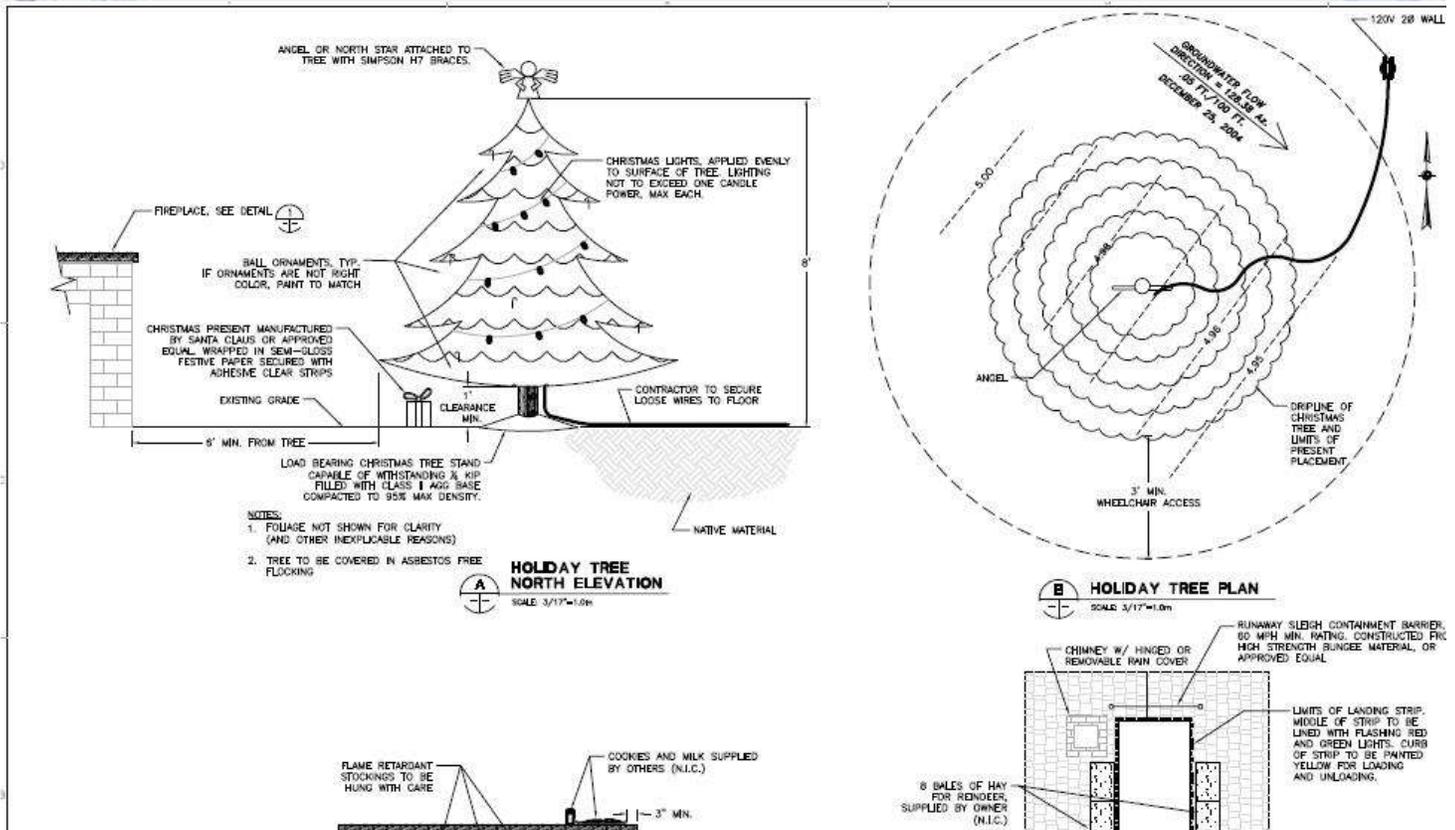
January 29, 2018 – February 2, 2018 Johns Hopkins University Applied Physics Laboratory Map and Directions | Register CSEP/ASEP Exam Preparation Course January 29 – Feb 2, 2018 8:00am – 5:00pm We are pleased to announced Certification Training International (CTI) will be offering an Associate Systems Engineering Professional (ASEP) and Certified Systems Engineering Professional [...]

[Read the full article →](#)

No Magic Training 2018 Feb

February 5, 2018 – February 9, 2018 Johns Hopkins University Applied Physics Laboratory Map and Directions | Register Applying UPDM 2 with MagicDraw Training February 5 – 9, 2018 8:00am – 5:00pm Description: Applying UPDM 2/DODAF/MODAF with MagicDraw is a 5-day course for Unified Profile for DoDAF and MODAF (UPDM 2). The course [...]

[Read the full article →](#)



INCOSE Student Chapters

George Mason University Student Chapter Leadership 2018



From left to right: Miguel Mitra - Social Media Chair; Katie Barthelson – Treasurer; Shamim Ahmed - Event Coordinator; Pritika Sondhi - Vice President; Christopher F. Pertsch – President; Aneliz Rocabado – Secretary

This is a very exciting year for INCOSE GMU! This year we have had an unprecedented number of students joining our organization, all of them interested in networking, improving their résumés, and expanding their systems engineering knowledge. With these three goals in mind we have implemented a plan for the year. Our student members will have the option to be exposed to networking, by attending monthly dinner meetings at our satellite location, improving their résumés, by taking part in résumé workshops, and expanding their SE skills and knowledge by attending seminars, webinars, and SE Handbook study sessions.

This year we have also taken the challenge of improving the food we offer at our events. Starting October 2nd every dinner meeting will be inspired by dishes from around the world such as Mexican, Italian, or Asian food.

George Washington University Student Chapter
Leadership 2018



From left to right: Kiren Ajrawat (Treasurer), Alyson Fintzy (President), Connor Forsythe (Vice President), Liz Harten (Secretary)

INCOSE GWU has had an amazing Fall semester due to a variety of newly implemented initiatives and programs! Most notably, we were able to double the number of student members within our Organization and we hope to continue to grow our Organization to reach all Systems Engineering students at GW. This semester, we implemented an informal mentoring program to allow upperclassmen to pass down their knowledge and advice to underclassman. We hope to formalize this program in the 2018 spring semester. We are also looking forward to becoming more involved with the members of INCOSE WMA as an established Organization within the GW community. Lastly, we would like to say thank you for a great semester, and happy holidays!

Chapter Meetings and Tutorials, Volunteer Opportunities

Chapter Meetings

Be on the lookout for the January Chapter Meeting Date TBD

Please keep checking our Website incosewma.org and subscribe, if not already, to our email (<http://www.incosewma.org/subscribe/>) to get updates about the Chapter and its happenings!

Tutorials will return in 2018

Bigger and badder than ever!

If you have an inkling to present on a topic you are passionate about or just need those INCOSE PDUs please reach out to [Shakila Khan](#)

STEM Volunteer Opportunities



Interested in STEM? Join the INCOSE STEM Committee. We are charged with advocating STEM programming across the Washington Metro Area. To apply for membership click the following URL: <https://groups.google.com/forum/#!forum/incose-wma-stem-wg>

Our vision:

Science, Technology, Engineering, and Mathematics (STEM) are at the cornerstone of being a consummate system engineer and are vital to our future. In a world that is becoming increasingly complex, it is often through practicing STEM professionals we are able to move the needle on invention and innovation for the better good of all society. All young people should be able to think critically and reason deeply so that they have the opportunity to become scientist, innovators, educators, and researchers solving current and to-be discovered global challenges. INCOSE's mission is to "share, promote and advance the best of systems engineering from across the globe for the benefit of humanity and the planet." The best way to share, promote, and advance the SE practice is through the enablement of our future leaders, equipping them today with the skills and ability to tackle our toughest global problems of tomorrow. INCOSE WMA will be standing up a STEM working group whose purpose is to address the very issues identified above and instill the strategic long term 'systems' thinking in our young leaders. Please join our Google group for more information.

Get Connected with the WMA

LinkedIn Groups

INCOSE's Certification Program Office oversees three groups on LinkedIn: [INCOSE SEPs, the Official Interest Group](#) is open to all [INCOSE SEP, the Official Group for Systems Engineering Professionals](#) is limited to those individuals who are already ASEPs, CSEPs, or ESEPs. [INCOSE ESEP, the Official Group](#) is limited to those individuals who are already ESEPs.

Official Twitter Account for INCOSE WMA: <https://twitter.com/incosewma>

Official Facebook: <https://www.facebook.com/incosewma/>



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Dr. Muhammad Islam

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Dr. Kathryn Laskey

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Dr. Pavel Formin

DeAnthony Heart

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Lowanda Avens Studevent

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