

Wavelengths



Volume 62 – Issue 05

Contents

Upcoming Events	1
Chair's Column	2
Technical Activities Report	3
EMCFest 2022	4
EMCFest (Continued)	5
2022 IAS Annual meeting	6
Top Secret Rosies	7
Nominations & Elections	8
2022 Volunteers	9
Antenna Safety	10
Helping Hands	11
Planning to Fail	12
Member News	13
Movie - Silicon Valley	14
IFIP IV Workshop	15
Recent Senior Elevation	16
ORG UNITS cheat sheet	18
Finance Committee Chair	20
RoboFest Update	21
Activities & Events	22
Executive Committee	23
ExCom Meeting Schedule	24
Editorial Corner	25
Web & Social Sites	27
Advertising Rates	28
Leadership Meetings	28

Upcoming Events

We have several events coming up this month. Listed below are some of the events, FYI.

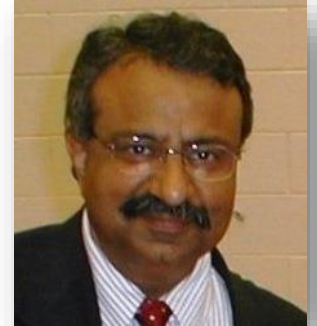
Event	Date	Time
Ch8: AdCom Teleconference	05 May 2022	11:00 AM
SEM Section ExCom Monthly Meeting (TELECONFERENCE) for May 2022	05 May 2022	06:30 PM
EMC Fest 2022	12 May 2022	08:00 AM
Artificial Intelligence (AI) Driven iDERMS Solution for Utility Scale Renewable Power Plants Lunch & Learn	12 May 2022	11:45 AM
Movie – Silicon Valley documentary	13 May 2022	04:00 PM
MOVIE - Top Secret Rosies: The Female 'Computers' of WWII: documentary	20 May 2022	04:00 PM

Note: All times are EST/EDT. If any events are missed do kindly bring them to the attention of wavelengths@ieee-sem.org. Thank you!

Chair's Column

This is the 5th column I am now sharing with all of our IEEE Southeastern Michigan community. We continue to refresh our website and post more events to the social media sites. I repeat a major new item – which we have seen in the past – is often new and sometimes existing members ask – how can I contact the chair or who is the treasurer or secretary etc.? Going forward, to ensure business continuity, we are creating email aliases, so one need not try to remember or hunt for the contact information! Thus, one can use the following:

- 📧 Chair is chair@ieee-sem.org
- 📧 Vice Chair is vicechair@ieee-sem.org
- 📧 Treasurer is treasurer@ieee-sem.org
- 📧 Secretary is secretary@ieee-sem.org!



I encourage you to add us to your twitter feed:

- ✓ Twitter ~ <https://www.twitter.com/ieeesemich>

I would like to encourage all our members to consider **volunteering** to the role of our social media moderators, which is easy to do, and we would be happy to show you're the ropes. Essentially it involves noticing articles of EE technical interest and sharing it on those sites. Of course, our Section events take top priority 😊! Feel free to reach out to any of the section officers and connect so we can put you in touch with the right people.

Upcoming events in our region are plenty. You can find announcements on ALL of public facing sites (you can use the icons below as well). We have another eclectic crop of informative documentary movies. EMCFest is coming up in May as also a PACE event – this time to learn on matters concerning us engineers and things happening at the government level. We also have two more exciting historical documentaries coming up in the month of May!

The next ExCom meeting is on the 5th of May (happy Cinco De Mayo), you will get reminders from me and Christopher Johnson as well. I would love to hear from everyone, the full list of ExCom meetings and their links has been published in this and every newsletter as well as on vtools. One of the major topics will be the 2022 Budget. I also plan to reach out to all the Student branches and re-engage them with our Section. In these days of pandemic restrictions, it is important NOT to lose touch with our past, current, future potential members and remain engaged w/ our community!

Finally, I also wanted to mention that compared to the rest of the sections in ALL of Region 4 – we are doing extraordinarily well in terms of technical activities and events. If we keep up this momentum, I would go for the Outstanding Section award sponsored by the IEEE MGA board. I will share more during the ExCom meeting.

Sharan Kalwani

Via email: chair@ieee-sem.org

Section members are encouraged to engage using any of these online platforms:



Technical Activities Report

2022 IEEE SE Michigan Section Geo-unit Status (Till April 29th)									
Ch's & AG's	Ave Tech Mtg. Attend	Ave Tech Mtg Guest	#L31 - Technical	#L31 -Admin	#L31 Professional	#L31 -Other	Geo-Unit Name	# Unreported	Total Mtgs
Cnslt	0	0	0	0	1	0	Consultants Network	0	1
LIFE	0	0	0	0	0	0	Life Members	0	0
WIE	0	0	0	3	0	0	Women In Engineering	2	3
YP	0	0	0	0	0	0	Young Professionals	0	0
1	78	0	1	0	0	0	Circuits & Systems, Signal Proc., Info Th.	0	1
2	78	0	1	0	0	0	Vehicular Technology	0	1
3	0	0	0	0	0	0	Aerospace & Elec. Sys., Communications	0	0
4	0	0	0	0	0	0	Trident (Ant, Elect Dev., uWave, Photo)	0	0
5	30	6	18	1	1	1	Computers	0	21
6	0	0	0	0	0	0	Geoscience & Remote Sensing	0	0
7	0	0	0	2	0	0	Power Engineering, Industrial App.	0	2
8	39	19	4	4	0	1	Electromagnetic Compatibility (EMC)	1	9
9	32	5	2	0	0	0	Power Electronics, Industrial Electronics	0	2
10	1	0	1	0	0	0	Engineering Management	0	1
11	55	37	1	0	0	0	Eng. in Medicine & Biology	0	1
12	0	0	0	0	0	0	Control Systems	0	0
13	14	3	10	1	0	1	Education	0	12
14	0	0	0	0	0	0	Robotics & Automation	0	0
15	42	27	4	0	0	0	Nuclear Plasma Science Society	1	4
16	78	0	1	0	0	0	Computational Intelligence / Sys.Man.Cyber.	0	1
17	0	0	0	0	0	0	Nano Technology Council	0	0
SEM	47	6	3	6	1	0	SEM (Section)	3	10
	493	104	46	17	3	3	NOTE: Highlight Green = Active	7	69
		21%					NOTE: Highlight clear = Concern		

The monthly Section Health report now includes columns representing the numbers of Unreported Meetings see Column I, (#Unreported) as well as Total Meetings Column J see (Total Mtgs) for each GA.

I encourage the leadership in each GA identified to make every effort to take the action to either complete the report or input that the meeting was cancelled.

GA leaders are requested to review the report and clarify any unreported meeting activity by either submitting the appropriate L31 status report or by contacting the undersigned for assistance.

Our Section receives funds to support our technical meetings as a result of the reported meetings from our GAs. Let's finish this year as strong as possible, by getting our reports in by next month. Remember that our technical chapters and societies can conduct joint technical meetings where both groups can receive recognition by IEEE and our Section. Please endeavor to engage your group membership by: 1. Meeting F2F or virtually to discuss IEEE presentations or other technical content germane to your group; 2. Invite members or outside speakers to present relevant technical achievements and or issues; and 3. Collaborate with other GAs on relevant joint technical topics of interest via webinar. These are just a few suggestions to maintain healthy technical interchanges within our Section.

Your Technical Activities Committee (TACom) stands ready to assist as needed. Stay well and stay safe.

Jeff Mosley

Chair, Technical Activities Committee, R4 IEEE SE Michigan, jvmosley@ieee.org

EMCFest 2022**It's Back! EMC Fest '2022**

The very popular and educational EMCFest returns to Southeastern Michigan this month.

Date: 12 May 2022

Time: 08:00 AM to 05:00 PM EDT

Location: Embassy Suites 19525 Victor Parkway, Livonia, Michigan, 48152

Chapter website: <http://www.emcsociety.org>

Event Website: <http://www.emcfest.org>

Program:

6:00 Vendor Table Setup (till 8:30)
8:00 REGISTRATION & EXHIBITS
8:30 CONTINENTAL BREAKFAST
Session 1 – EMC Concepts: Case studies of Passive Components, Power Distribution Network, and EMC Filters
9:00 Break & Exhibits
10:00 *Session 2 – Developing a practical EMC pre-compliance test laboratory and key diagnostic tools/methodology*
11:00 LUNCH
12:00 *Session 3 – Practical and applied simulation examples (EMC test models, PDN analysis, PCB design rule checker)*
1:00 Break & Exhibits
2:00 *Session 4 – Switch-mode power supplies: EMC Design, Diagnostics & Emissions Control*
3:00 Reception
4:00

FEE SCHEDULE

CEU Units *	\$25
All Late or At the Door	\$100

Register at <http://www.emcfest.org>

See complete information on the EMFest website using the link above.



EMCFest (Continued)**EMCFest Speakers:**

Dr. Bogdan Adamczyk is professor and director of the EMC Center at Grand Valley State University where he develops EMC educational material and teaches EMC certificate courses for industry (www.gvsu.edu/emccenter/). He is an iNARTE certified EMC Master Design Engineer. He has taught numerous EMC courses for industry and authored over 50 publications on EMC education, measurement and testing. He is a technical editor for Interference Technology Magazine and writes a monthly column “EMC Concepts Explained” for In Compliance Magazine. He can be reached at adamczyb@gvsu.edu



Jim Teune is a co-founder and EMC Specialist at E3 Compliance which focuses on EMC and High-speed design, analysis and pre-compliance testing. He is an iNARTE certified EMC Engineer and Master EMC Design Engineer. Jim is an industrial partner of the EMC Center at Grand Valley State University and supports STEM activities. He has co-authored several papers for IEEE and ASEE (American Society of Engineering Educators) as well as articles for In Compliance Magazine. He can be reached at jim@e3compliance.com



Scott Mee is a co-founder and EMC specialist at E3 Compliance which focuses on EMC and High-speed design, analysis and pre-compliance testing. He is an iNARTE certified EMC Engineer and Master EMC Design Engineer. He has co-authored and presented numerous technical articles through the IEEE EMC symposia and publications. Scott is an industrial partner of the EMC Center at GVSU and supports academic and student activities to further EMC learning at the University. He can be reached at scott@e3compliance.com

Join us to renew acquaintances in our first EMCFest since 2019, and all Face-to-Face!

The food is delicious (Contental breakfast, Lunch, Snacks at the breaks and plan to Stay for the Ice Cream reception and have time to chat with old friends and avoid the traffic jam on the drive home.

We look forward to seeing you there!



2022 IAS Annual meeting



Invitation Message for 2022 IAS Annual Meeting

Dear Electrical Colleagues:

We are excited to invite your attendance and participation at the IEEE's 57th IAS Annual Meeting to be held October 9-13, 2022. The conference will be in Detroit, Michigan USA.

The IAS Annual Meeting has established a long tradition of providing a platform for practicing engineers, researchers, and technical experts to present and discuss current developments and future trends in applications of electrical technology to fields such as electrical standards, industrial and commercial power systems, data centers, process controls, robotics and automation, electrostatics, mining, metals, smart grid, smart cities, and smart manufacturing.

Our conference venue and meeting space will be at the world-class Detroit convention center, which has been newly renamed as "Huntington Place". City of Detroit is known for being historical birthplace of the modern automobile industry. Our IAS Annual Meeting will be co-located with the 2022 Energy Conversion Congress and Exposition (ECCE). IAS Annual Meeting delegates are invited to attend some selected ECCE activities, such as the Monday Plenary Session and the ECCE Technical Expo, which are open to attendees from both conferences. With such a great setting for our two conferences, there will be ample opportunities for attendees to enjoy social events and networking amongst other engineers, industry folks, academic faculty, and of course students.

Our "Call for Papers" with deadline dates has been posted on our conference website at: <https://ias.ieee.org/2022annualmeeting/call-for-papers.html> It incorporates a "Call for Tutorials" as well. And for more general information regarding the overall conference, please visit the conference website at: <https://ias.ieee.org/2022annualmeeting>

On behalf of the entire conference organizing committee, we look forward to your participation in the 2022 IAS Annual Meeting!

Sincerely,

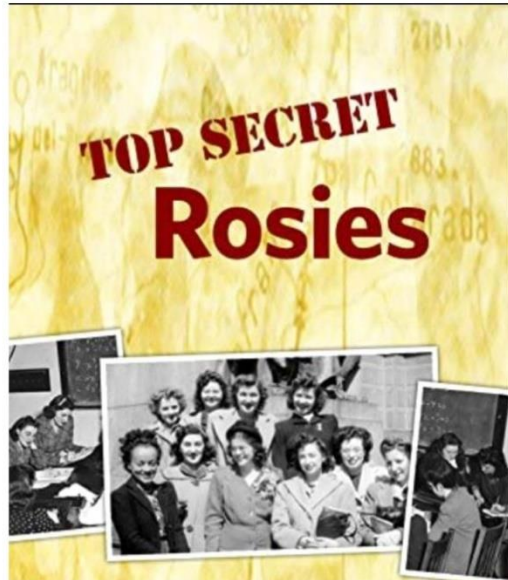
David Eng
General Chair, IAS AM-2022
Email: engdd412@ieee.org

Top Secret Rosies

IEEE SE Michigan Computer Society Chapter

Presents:

Top Secret Rosies: The Female "Computers" of WW II



The film is focused on recognizing the contributions of women during WWII, serving as human computers and six of whom went on to program one of the earliest computers, the ENIAC. Their work helped the United States improve the accuracy of weaponry as most conducted ballistics analysis. The film officially premiered on November 1 2010 on PBS.



At Glance

- **When:**
Date: May 20th, 2022
Time: 04:00 – 5:30 PM
(EST/EDT)
- **Where:**
Online via Webex (to be shared only after you have a confirmed registration)
- **Audience: OPEN to ALL***

*Sponsored by
IEEE
SE Michigan
Computer Society
Chapter*

***Pre-Registration Required!**

<https://events.vtools.ieee.org/m/312961>



IEEE Southeastern Michigan Section



Nominations & Elections

End of the year elections always seem to be a long way off as we enter early spring. This presents us with a serious difficulty. Before any election takes place, candidates for office must be nominated in order to prepare a useful ballot.

By a ‘useful’ ballot, I mean a ballot that has at least a small chance of actually electing someone who might do a decent job in the office.

Why should this be a problem? We post the ‘call’ for nominations in early August. Compile the results in September. Hold the election in late September or early October. Rationalize the results in November and report to the SEM Executive committee at its December meeting.

The problem is that too many offices receive no nominations. With no name on the ballot, many (most) of our members take the easy way out and select “I abstain” instead of the option of entering a ‘write-in’ candidate. *(If ‘I abstain’ were a real person, they would hold almost every office in the Section.)*

One of the virtues of a democracy is supposed to be the ability to vote for the candidate of our choice. So, what happens when we fail to discover which candidate for our Section or Gro-unit leadership is the one we would ‘choose’?

They likely are not nominated.

They don’t appear on the ballot, and therefore...

They aren’t elected.

Inaction or apathy during the ballot nomination process will detail the democratic process as surely as a violent revolution. If we continue to ignore what is happening when nothing is happening and who should be taking control and making improvements but is failing to do that job, then we are the real culprit when we don’t make use of the first of our rights and responsibilities. If we are not involved in the nomination & election process we are guilty of allowing Murphy (Murphy’s Law) to take over the election process.

Take a look at your Chapter or Affinity Group (Geo-units) and find out who is ‘in charge’. If you don’t know who that is, look at the SEM Organization Roster at:

https://r4.ieee.org/sem/wp-content/uploads/sites/6/2022/04/Organization_Roster_04.12.2022_Rev0-1.pdf

Each of the Geo-units is identified by its ‘Name’ which announces which technical Societies comprise its membership. Find the Geo-unit that matches the professional society or affinity group of your interest and look at the officers. Also look at any blanks. There is your chance to step up and directly contribute to the overall success of IEEE in our Section. Volunteer yourself to fill that vacancy! Then put yourself on the next ballot. (If the person currently in charge is doing nothing, how could you possibly do a worse job?)

When you attend meetings, *(Yes children, we used to have actual face-to-face meetings.)* get to know the other members who show up. If you believe some of them may do a better job than the person currently in charge, talk to them and get their agreement to propose them on the ballot this August. Democracy is much more than just casting a vote. It means taking responsibility for making that vote mean something.

2022 Volunteers

Because, of the meeting restrictions during the covid pandemic, many if not most, of our members have never met our Geo-unit officers 'face-to-face'. Of course, that also means our officers have not met most of their members either. This presents problems in several areas that need to be considered and addressed.

In the normal course of events, members change jobs and move to other parts of the world. When that happens, our Standing Committees and Geo-units lose valuable talent and the contributions that were being made by those absent members. The same often happens when students graduate and find employment in other locals. Of course, we wish our members well in their new adventures. But it leaves a gap in our ability to function as a professional society.

To fill vacancies in any organization we usually first call on those members we know who would be interested and capable in handling the tasks needed to fill a manpower gap. The lack of close contact over the last two years has meant that our leadership is less familiar with all our members, and their talents and abilities than we would normally be. Which makes filling gaps in our Committee and Geo-unit rosters 'difficult'. Also, since our members have less contact with the leaders of the society, they are in the same difficulty trying to determine where their skills might best be used.

Each of us can view the current roster of elected and appointed officers in our Section as a downloadable PDF file on the SEM Website under the 'About SEM' TAB. If you do not know how to find the SEM Website, you may download the Roster directly using the link below:

<https://r4.ieee.org/sem/wp-content/uploads/sites/6/2022/03/Organization Roster 3.23.2022 Rev0.pdf>

Once you have opened the Roster PDF file, notice how it is arranged:

- First the Executive Committee (primary Section leadership).
- Then the Standing Committees which carry on most of the work of the Section.
- The Affinity Groups follow next, (Consultants / Life Members / Women in Engineering / Young Professionals)
- Our 17 Technical Chapters follow – with their represented Societies clearly shown in the titles.
- Student Branches at our Universities (we have eight).
- Student Technical Chapters (four of these) and
- HKN (Eta Kapa Nu) IEEE Honors Society Chapters (7 University Chapters and the Alumni Chapter).

An example of the information that can be found in the 'Roster' is shown below for one of our technical chapters:

Southeastern Michigan Section		Officers Name	Access Code	e-mail
Industrial Electronics and Power Electronics: Ch9			CH04057	
Chair	Van Wagner			wagner3@gmail.com
V-Ch				
Director(IndElect)				
Director(Pwr Elect)				
Secretary	Shanelle Foster			hogansha@egr.msu.edu
Treasurer				
Past-Ch				

The vacant positions are shown in bright yellow. Here is where we can all help make a difference. Contact the current Chair, or Vice-Chair and talk with them to find out if your abilities and interests might be a good fit for that position. In addition, check out the 'Volunteer Portal' on the SEM Website, to find out just what the qualifications for the position might be. <http://r4.ieee.org/sem/about-sem/volunteer-portal/> Serving in an IEEE position is both a service to your professional organization but also a training experience in areas of learning that will expand your view of the world.

Antenna Safety

Safety is Job One:

Spring, with warmer weather and clear skies every young Ham's thoughts turn to Antennas! The following is presented to all of us who are tempted to climb that tree, or crawl on that roof to try to fix or inspect our trusty Amateur Radio antenna after the rigors of a long winter.

Thomas A Buchanan – VE6ARG is a Canadian Amateur Radio operator living in Coaldale Alberta. Tom was a National Construction Safety Officer (NCSO) for many years. During that time, he saw and heard and experienced some pretty amazing incidents that happened to construction workers. Tom considers, ham radio operators installing antennas and other devices to be CONSTRUCTION WORKERS in the real sense of the word and should follow the same rules.

Here are some of Tom's observations from his website:

<https://tomsnotes.ca/about-tom-buchanan-ve6arg/>

"Of course, you are not covered by any authorities, but you still need to set some guidelines on safety whenever doing this kind of work. So, what made me think of this? I received a phone call from a ham last week that astonished me because he knew better.

By the way - ALL INCIDENTS ARE PREVENTABLE.

He had a problem with one of his antennas after that snowstorm and decided to go up on his roof which was covered in snow and lost his footing and slid down it and over the edge. He kicked over the ladder on the way and grabbed on to the gutter which of course slowed his descent a bit but couldn't hold his considerable weight and pulled away from the house and he landed unceremoniously on the deck. Fortunately, he's ok and no serious damage was done although from what he told me the damage inflicted by his wife afterwards was considerable.

So, what should be done to make sure you are being safe? Here's a list:

1. Scope out the work before you climb and make a plan and think of anything that could go wrong and plan for it (remember Murphy's Law).
2. Do a complete HAZARD ASSESSMENT before beginning the work.
3. Check the condition of the roof. Is it covered in snow or is it wet or slippery?
4. What tools do you need and have them available at the time and a convenient way of getting them up to where you need them. Avoid carrying them if possible.
5. Put up a ladder so that it is at least a meter (3 feet) above the roof line and tie it off so it will not fall over
6. By ensuring the ladder is at least a meter above the roofline you will have something to hold on to as you step on and off the roof without having to lean over and thereby disturbing your balance.
7. Keep three-point contact on the ladder at all times when climbing or descending from it.
8. Do not lean out on either side of a ladder to do the work and make sure you do not stand on the top or the second rung from the top on any kind of ladder
9. DO NOT lean a stepladder up against a wall. It is not stable and will not be a safe platform on which to work.
10. Make sure the spreader arms on a step ladder are set and locked in place
11. Wear the proper PPE, good boots, hard hat, if necessary, gloves, harness, lanyard, safety belt and line and tie off if necessary.
12. Pull tools up with a lanyard in a basket or bag and tie it off in a convenient place.
13. Do the work according to a well thought out plan and follow it.
14. Think safety at all times and don't take short cuts

So, you can see it is quite easy to make sure you are going to be safe. Too many of our friends have been seriously injured or even lost their lives because they didn't THINK IT THROUGH. Don't become a statistic.

73 Tom VE6ARG

Helping Hands

Today I attended an exciting ZOOM meeting with a compelling topic which would have held the attention of the members of at least 5 SEM Geo-units (Chapters and Affinity Groups). Unfortunately, this exceptional presentation was only attended by six (6) IEEE members. What happened? What might we have been able to do to improve attendance?

There were several factors that contributed to this situation, and each has at least one radially available solution that we should consider.

Timing:

From your personal experience you are aware that the closer you come to a planned meeting or event, the more restrictive your options for alternatives become. If something 'interesting' pops up at the 'Last Minute', you are often trapped by your current schedule and commitments and are unable to adjust to allow attendance at this 'new' event.

Planning for any event needs to be as 'long range' as can be managed in order to allow for related items and to give members time to place the event into their personal schedule.

Advertising: Using available communication media (Wavelengths newsletter / eNotice / personal email / to let your members know of the event in time for them to know of the event with enough advance notice to allow them to put it into their personal scheduling. This advance warning should happen as far in advance as can be arranged.

Reminders: As the event approached, reminders of the event help keep attention on the event and ensures those who might have forgotten it to keep it within their range of vision.

Geo-unit Outreach:

For the presentation I mentioned above, there was only the originator of the event working as the prime host. So far, OK.

However, none of the other SEM Chapters with technical interests in the topic were listed as co-hosts! It may be that this talk was so rapidly arranged that there was no time to let the officers in other Chapters know. If so, that was too bad since they could have alerted their membership and perhaps increased the number of participants.

I have mentioned the SEM Organization Roster in other columns, available from the SEM Website at:

https://r4.ieee.org/sem/wp-content/uploads/sites/6/2022/04/Organization_Roster_04.12.2022_Rev0-1.pdf

For any topic being presented, the organizing Geo-unit could consider reviewing the technical interests indicated in the 'Title' of each Chapter in conjunction with a planned presentation topic and offer the other Geo-units the opportunity to co-host the meeting and advertise it among their members.

In the case of this presentation, I would have expected interested from at least 5 other Geo-units with related technical interests. Combined, those 5 Geo-units would comprise another 356 members who might have been interested in the topic.

The officer contact information for each Geo-unit is in the 'Roster' in the link above. For any future presentations, please consider extending a 'co-host' offer to appropriate Chapters in our Section, and then see what interest might be present in other Geo-units in our Region.

With a ZOOM capacity of 100 participants, there should be plenty of room for all.

If you need help in finding information or contacting the other Geo-unit officers, please do not hesitate to contact me.

k.williams@ieee.org

Planning to Fail

A few years ago, when I was still a 'work slave', (i.e. employed - now retired), one of my engineering managers was touting the company's 'long range plan' as the most enlightened and progressive thinking around. It looked 5 years into the future.

One of my friends who had in a past life worked for Toyota could hardly contain his laughter. Later he explained that the Toyota long range plan looked forward **200 years!**

Any long-range plan must 'adjust' for the scale of its timing and it is understood that beyond the range of our immediate view and understanding of prevailing conditions, we should be prepared to change and adjust our plans as conditions and our revised goals advise. But plan ahead we must or face the alternative.

Benjamin Franklin said it best and is often quoted: "**If You Fail to Plan, You Are Planning to Fail**". This is true of individuals, groups and of IEEE Geo-units. That is why I am concerned when I see many of our SEM Geo-units recording no Administrative meetings in the official IEEE log of activities, the vTools Event tool. Administrative meetings are where plans are created, action items assigned, progress reports presented, and new ideas generated. In an effective meeting, the officers contribute their individual points of view and the discussions that follow refine ideas into plans which become part of the schedule and result in progress and activities benefiting our members.

So, what can I say of a Geo-unit that holds no Admin meetings? If I look at this history of our Section over the past few years, I see consistent behavior of some Geo-unit leaders of reporting no Admin meetings and at the end of the year, no meetings at all of interest to their members.

Take a careful look at the chart of meetings in our Section on page 3. It clearly shows this same trend in the current year.

On the other hand, look at the Geo-units that report Admin meetings each month, and you will also see reports of Technical or Social meetings that easily top the minimum 2 meetings each year to remain active, and go beyond to exceed the 5 technical meetings a year to rate the MGA 'bonus' for activity. Truly active Geo-units strive to go well beyond that mark and they succeed.

No one begins an engineering career with the goal to fail spectacularly. I am sure none of our officers took an office intending to make their Geo-unit the most underperforming unit in the Section. I doubt that any have a long-range goal to be the most mediocre Geo-unit in the Region. So, what can we say about their planning? **They're Not Planning at all!**

The real tragedy is that they are bringing down the rest of their Geo-unit members with them. In short order, expect that IEEE MGA HQ to be sending a letter to the Section Chair 'suggesting' that the Geo-unit in question be dissolved.

Member News

Possible embedded job opportunities at [ARI](#).

They have 1 trainee and 2 experienced (2~3years) positions available. Please forward this to anyone who might benefit from this opportunity. They can forward the resumes to kvenisetty@ariglobalsolutions.com

Job Responsibilities

- Resolve software defects in C language
- Develop relevant test cases for software validation.
- Complete embedded software development processes including developing, testing, production, and product support.
- Perform code reviews for the peers.
- Develop high level and detailed documentation.
- Experience in MATLAB is preferred.

Curated by

Sharan Kalwani,
Co-Editor, Wavelengths,
2017~2018~2019~2020~2021~2022
Email: Sharan.Kalwani@ieee.org

Movie - Silicon Valley

IEEE SE Michigan Computer Society Chapter

Presents:

Silicon Valley: An American Experience Documentary



In 1957, decades before Steve Jobs dreamed up Apple or Mark Zuckerberg created Facebook, a group of eight brilliant young men defected from the Shockley Semiconductor Company in order to start their own transistor business. Their leader was 29-year-old Robert Noyce, a physicist with a brilliant mind and the affability of a born salesman who would co-invent the microchip — an essential component of nearly all modern electronics today, including computers, motor vehicles, cell phones and household appliances.



At Glance

- **When:**
Date: May 13th, 2022
Time: 04:00 – 5:30 PM
(EST/EDT)
- **Where:**
Online via Webex (to be shared only after you have a confirmed registration)
- **Audience: OPEN to ALL***

***Sponsored by
IEEE
SE Michigan
Computer Society
Chapter***

***Pre-Registration Required!**

<https://events.vtools.ieee.org/m/313438>



IEEE Southeastern Michigan Section



IFIP IV Workshop



WG.10.4



Second Workshop on Intelligent Vehicle Dependability and Security

IFIP Working Group 10.4

23-26 June 2022, Alexandria, Virginia USA (National Capitol Region)

The Intelligent Vehicle Dependability and Security (IVDS) project of [IFIP Working Group 10.4](#) (Dependable Computing and Fault Tolerance) will host its 2nd workshop in June 2022. This follows a successful [First IVDS Workshop](#), held (virtually) in January 2021. Working Group 10.4, through its workshops, its affiliations with larger conferences, and landmark publications by many of its members, has contributed significantly to both R&D and application of highly dependable and secure computing systems since its establishment in 1980.

Workshop Objective: The workshop focus is: “**How to Survive Cyber Attacks on Safety-Critical Functions of Intelligent Vehicles.**” Our objective is to discuss design solutions, quantitative cyber-survivability measures, verification and validation, and regulatory issues with regard to impact of cyber attacks on autonomous vehicle safety.

Specific topics and issues and other details concerning the workshop can be found [here](#).

The expected workshop outcome is a set of specific actions, both short term and long term, to achieve the IVDS project's vision, mission and goals.

When: Thursday, 23 June (evening reception) to Sunday, 26 June noon (lunch).

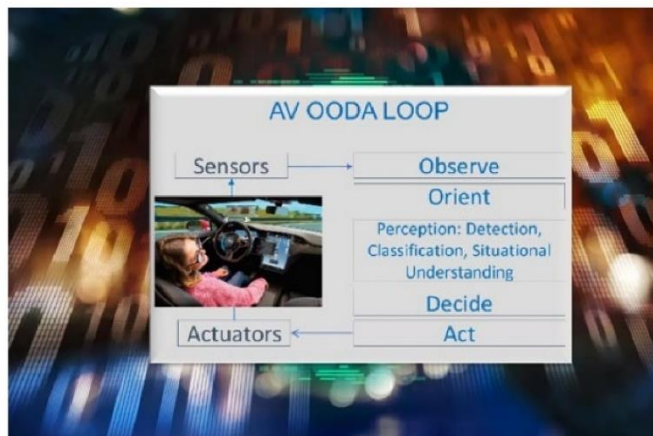
Where: [Hilton Old Town Alexandria](#), Virginia, USA.

Format: Each session will be organized as several presentations or a panel, followed by a lengthy discussion with presenters/panelists.

Registration & Fees: Workshop is limited to WG10.4 members and invited guests. This is an in-person workshop. There will be no virtual speakers or attendees. Registration fee TBD.

IVDS Project Vision: The vision of this project is the realization of highly dependable and secure operation of intelligent vehicles, verified and validated with respect to quantifiable dependability (particularly safety) and security requirements by rigorous state-of-the-art methods. Types of vehicle intelligence assumed in the vision are principally those associated with SAE Driving Automation Levels 3-5. Additional information regarding the project's activities can be found on the [IVDS Project home page](#).

Organizing Committee: Dr. Jaynarayan Lala, jay.lala@rtx.com (Project Lead); Prof. John Meyer jfm@umich.edu, Prof. Carl Landwehr carl.landwehr@gmail.com, Dr. Charles Weinstock weinstock@conjelco.com, Prof. Homa Alemzadeh ha4d@virginia.edu, Prof. Cristina Nita-Rotaru c.nitarotaru@northeastern.edu and Dr. Wilfried Steiner wilfried.steiner@tttech.com



Recent Senior Elevation



[Mohamad Berri, PhD](#) , Senior Member

The membership committee organized a senior membership drive on April 9 2022 and it was a successful event. We had many applications have been reviewed and processed. We will have another senior membership drive on October this year. Look up for it.

The grade of Senior Member is the highest for which application may be made and shall require experience reflecting professional maturity. For admission or transfer to the grade of Senior Member, a candidate shall be an engineer, scientist, educator, technical executive, or originator in IEEE-designated fields for a total of 10 years. Individuals may apply for Senior Member grade online: [Senior Member Grade](#)

Based on the requirements for the Senior Member Grade, the IEEE criteria for elevation to Senior Member grade is that a candidate shall be an engineer, scientist, educator, technical executive or originator in IEEE-designated fields and the candidates shall have been in professional practice for at least ten years. Also, the candidates shall have shown significant performance over a period of at least five of those years. In addition, candidates for Senior Member grade must supply three references from current IEEE members holding the grade of Fellow, Senior Member, or Honorary Member.

New applicants applying directly for Senior Member grade should submit this elevation form along with an IEEE Member application and your dues payment. Three [reference forms](#) from current IEEE Senior Members or Fellows have to be submitted to support the application unless the applicant has been nominated by a Senior Member or Fellow in which case only two other references are required (See [Nomination Information](#) below). For assistance on the reference forms please send a message to me mberri@ieee.org and I will assist in providing the information To verify that your application has been received and for any questions relating to the Senior Member application, please e-mail senior-member@ieee.org

The ten years of professional experience will count the years you have been in professional practice. Your educational experience is credited toward that time as follows

- 3 years for a baccalaureate degree in an IEEE-designated field
- 4 years if you hold a baccalaureate and masters degree
- 5 years if you hold a doctorate

The following are examples of significant performance that would serve to qualify an individual for elevation to Senior Member. In each case, we are assuming that three qualified references (Senior or Fellow members) were provided. In the 1st case, there was an applicant/nominee has Bachelor's degree and seven additional years of professional experience beyond graduation in an area encompassed by one of IEEE's technical Societies, which meets the requirement of ten years of professional experience. Significant performance can be demonstrated by describing substantial job responsibilities (e.g., team leader) for a period of at least five years. His application was approved. Another case, there was an applicant/nominee has bachelor, masters, and doctoral degrees in an IEEE-designated field. Five years of significant performance in academia, industry, or government beyond the doctoral degree are demonstrated (e.g., a faculty member with five years beyond the doctorate and promotion to associate professor). His application was approved too. For more cases please [IEEE Senior Member WEB page](#).

The Benefits of Senior Membership is that you will get a professional recognition, a Senior Member Plaque, a US\$25 Coupon, and a Letter of Commendation from IEEE. This is in addition of having Leadership Eligibility and ability to Refer Other Candidates. Most of this information is available in the [IEEE website](#). Please feel free to contact me if you need further information or assistance. mberri@ieee.org

ORG UNITS cheat sheet

Section Unit Name or Affinity Group or Chapter Name (Organizational Unit is in parentheses)

Consultants Network Affinity Group:	(CN40035)
Life Members:	(LM40035)
Young Professionals:	(YP40035)
Women in Engineering:	(WE40035)
Chapter: 01 (CH04049) (SP01)	Signal Processing Society, (CAS04) Circuits and Systems Society and (IT12) Information Theory Society
Chapter: 02 (CH04051) (VT06)	Vehicular Technology Society
Chapter: 03 (CH04053) (AES10)	Aerospace and Electronic Systems Society and (COM19) Communications Society
Chapter: 04 (CH04050) (AP03)	Antennas and Propagation Society, (ED15) Electron Devices Society, (MTT17) Microwave Theory and Techniques Society,
Chapter: 05 (CH04055) (C16)	Computer Society
Chapter: 06 (CH04056) (GRS29)	Geosciences and Remote Sensing Society
Chapter: 07 (CH04057) (PE31)	Power Engineering Society, (IA34) Industrial Applications Society
Chapter: 08 (CH04088) (EMC27)	Electromagnetic Compatibility Society
Chapter: 09 (CH04087) (IE13)	Industrial Electronics Society, (PEL35) Power Electronics Society
Chapter: 10 (CH04142) (TEM14)	Technology and Engineering Management Society
Chapter: 11 (CH04099) (EMB18)	Engineering in Medicine & Biology
Chapter: 12 (CH04103) (CS23)	Control Systems Society
Chapter: 13 (CH04113) (E25)	Education Society
Chapter: 14 (CH04115) (RA24)	Robotics And Automation Society
Chapter: 15 (CH04144) (NPS05)	Nuclear Plasma Sciences Society
Chapter: 16 (CH04125) (CIS11)	Computational Intelligence Society, (SMC28) Systems, Man and Cybernetics Society
Chapter: 17 (CH04128) (NANO42)	Nanotechnology Council

Section Unit Name or Affinity Group or Chapter Name (Organizational Unit is in parentheses)

University Of Detroit-Mercy:	(STB00531)
Michigan State University:	(STB01111)
University Of Michigan-Ann Arbor:	(STB01121)
Wayne State University:	(STB02251)
Lawrence Technological University:	(STB03921)
Oakland University:	(STB06741)
Eastern Michigan University:	(STB11091)
University of Michigan-Dearborn:	(STB94911)

HKN Code	HKN Name (Student IEEE Honor Society)
HKN029	University of Michigan-Ann Arbor, Beta Epsilon
HKN042	University of Detroit-Mercy, Beta Sigma
HKN054	Michigan State University, Gamma Zeta
HKN073	Wayne State University, Delta Alpha
HKN163	University of Michigan-Dearborn, Theta Tau
HKN164	Lawrence Institute of Technology, Theta Upsilon
HKN190	Oakland University, Iota Chi
HKN244	Southeastern Michigan Alumni

Organization Unit IEEE Code	Student Technical Chapter name
SBC00531	University of Detroit-Mercy, Computer Society Chapter
SBC02251	Wayne State University, Computer Society Chapter
SBC03921	Lawrence Tech University, Computer Society Chapter
SBC06741	Oakland University, Engineering in Medicine & Biology

Why do we publish this? Well, this is most useful when searching the vTools page for entering L31s or creating new events or searching for existing events!

Curated & Maintained By
Sharan Kalwani,
Chair, IEEE SE Michigan Education Society Chapter
Vice-Chair, IEEE SE Michigan Computer Society Chapter
Editor, Wavelengths,
2018~2019~2020~2021~2022

Finance Committee Chair



Subra has been working at Oakland University for the past 32 years. He has more than 40 years of work experience as a Scientist (in a National Lab) and as faculty in several Universities. He was the department chair of Computer Science & Engineering department, Oakland University from 1991-1998. Currently he is a Professor in the Electrical and Computer Engineering Department at Oakland University, USA.

The list of awards he has been graced with is long and distinguished. Most recently he was honored by the IEEE-USA at their annual joint regional meeting of R4-R6 held on February 3, 2018, in San Francisco where he received IEEE-USA's **Professional Achievement Award**. Just a few days ago he was nominated for the **Engineering Society of Detroit Gold Award**, which is scheduled to be held on March 21, 2018. Back in March 18, 2016, he was recognized by Oakland University's Teaching and Learning Committee and awarded the Certificate of Recognition for "**Teaching Excellence Award**". From outside of the domain, in 2012 April he received the **Lloyd L. Withrow Distinguished Speaker Award** from the SAE – Society of Automotive Engineers.

He has published in more than 72 journals, 218 conference publications, 2 book chapters, and 9 books as an author/editor. In addition he also has 4 patents in the last 5 years and recently applied for a new patent in April 2016.

He has also been a Keynote speaker for many conferences in 2009-2014. During that time, he delivered Keynote speeches in South Korea, India, Spain, and several regional IEEE EIT Conferences.

Under his supervision, he has graduated 12 doctoral candidates in Computer Engineering topics so far. He is currently guiding 8 Ph.D. students as a main advisor, each of them are right now in various stages of completion.

He is also an external PhD/MS thesis evaluator for Universities at India, Australia, Jamaica, and Germany from 2005-present.

He is serving as the Editor-in-Chief, IJESCE, *International Journal of Embedded Systems and Computer Engineering*; Editor-in-chief, IJSA, *International Journal of Sensors and Applications*, South Korea. Member of Editorial board of *Journal of Computer Science*, JCS, ISSN 0973-292-6. He is the President of ISPE, International Society of Productivity Enhancement and Vice President of ISAM - International Society of agile manufacturing. He is the North American president for ASDF- Association of Scientists, Developers and Faculties international. He is very active in SAE- World Congress by organizing the System Engineering sessions for the past 20 years.

These days he is also the Associate Director, Center for Robotics, Unmanned and Intelligent Systems, at Oakland University.

He received his Bachelor's degree in Engineering from *Madras University, Madras* and his PhD from *the Indian Institute of Science, Bangalore*.

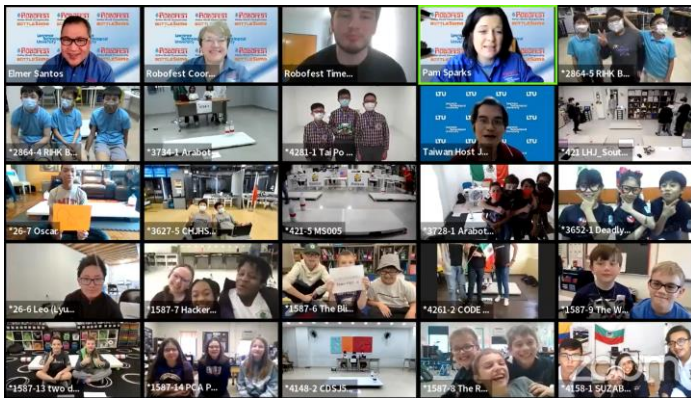
Subra can be reached at ganesan@oakland.edu

RoboFest Update

Robofest 2022 Updates



Clearwater, Florida; April 9



Online BottleSumo Time Trial; April 23



Napoleon High School, Napoleon, MI; April 9



LTU, Southfield, April 2

IEEE SEM sponsored 23rd Robofest is in full swing. This year's Robofest game "OceanBots" has an environmental theme where autonomous robots are designed & programmed to save simulated sea turtles and to clear simulated trash from a playing field.

Other categories include BottleSumo Time Trials, Exhibition, RoboArts, RoboParade, RoboMed and the Unknown Mission Challenge.

We have had 10 in-person competitions and 9 online/video submission competitions worldwide as of April 29. We also had 4 in-person workshops at LTU. Some pictures of recent completions are shown left.

Robofest Online World Championship (ROWC) Competitions are being held most Fridays and Saturdays through May 14th and will culminate in an online awards ceremony on May 21, 2022. Each event begins at 8:00 am EDT and webinar registration links are available on the "World Championship" page on the robofest.net website.

Robofest Online World Championship participants will receive the following IEEE SEM sponsored medals.



Activities & Events

We try to publish IEEE events in several places to ensure that everyone who may want to attend has all the available relevant information. **NOTE: The IEEE SE Michigan section website is located at <http://r4.ieee.org/sem/>**

SEM Wavelengths:

<https://r4.ieee.org/sem/about-sem/sem-history/wavelengths-magazine-archive/>

SEM Calendar of events:

<https://r4.ieee.org/sem/sem-calendar/>

Select “SEM Calendar” button in the top row of the website. This is our ‘Active’ event listing site where everyone should look first to see what events are scheduled for our Section in the near future.

SEM Collabratec Workspace:

<https://ieee-collabratec.ieee.org/app/workspaces/5979/IEEE-Southeastern-Michigan-Section/activities>

An IEEE supported space for online chat, discussions, connecting with other global IEEE entities, besides our local Michigan folks.

vTools Meetings:

<http://sites.ieee.org/vtools/>

Select “Schedule a Meeting” button in the left-hand column of buttons.

Other Happenings

Here are some of the non-IEEE functions that may be of interest to you or someone you know. Let us know if you have a special interest in a field that encourages technical study and learning, and wish to share opportunities for participation with members of the section. **NOTE: You may need to copy the URL and paste it into your browser address bar.**

Send details to: wavelengths@ieee-sem.org OR letters@ieee-sem.org

.....

Michigan Institute for Plasma Science and Engineering: Seminars for the 2021-2022 academic year:

https://mipse.umich.edu/seminars_2122.php

Model RC Aircraft

<http://www.skymasters.org>

Model Rocketry

<https://www.nar.org/find-a-local-club/nar-club-locator/>

Astronomy

<http://www.go-astronomy.com/astro-clubs-state.php?State=MI>

Experimental Aircraft Association

<https://www.eaa.org/en/ea/eaa-chapters/find-an-eaa-chapter>

Robots

<https://www.robofest.net/index.php/about/contact-us>

Science Fiction Conventions

<https://2021.penguicon.org/>

<http://www.confusionsf.org/>

Mad Science

<http://www.madscience.org/>

ESD PE Review Class

<https://www.esd.org/programs/pe/>

Maker Faire:

<https://swm.makerfaire.com/>

Executive Committee

The SEM Executive Committee is the primary coordination unit for Southeastern Michigan (SEM) IEEE operations. The basic organization chart below shows the 2019/2020/2021/2022 arrangement of communications links designed to provide inter-unit coordination and collaboration.

The SEM Executive Committee meets in a teleconference each month on usually on a Thursday at 6:30 pm. The specific meeting days, times, phone or WebEx numbers and log in codes are published on the IEEE SEM Website calendar: <http://r4.ieee.org/sem/> Click on the “Calendar” button in the top banner on the first page of the web site.

If you wish to attend, or just monitor the discussions, please contact **Christopher Johnson**, the section secretary at secretary@ieee-sem.org and request to be placed on the distribution list for a monthly copy of the agenda and minutes. More meeting details are available on the next page of this newsletter.

Other Meetings:

About half of our members maintain memberships in one or more of the IEEE technical societies, which automatically makes them members of the local chapter which is affiliated with that society. As a result, they should receive notices of the local chapter meetings each month.

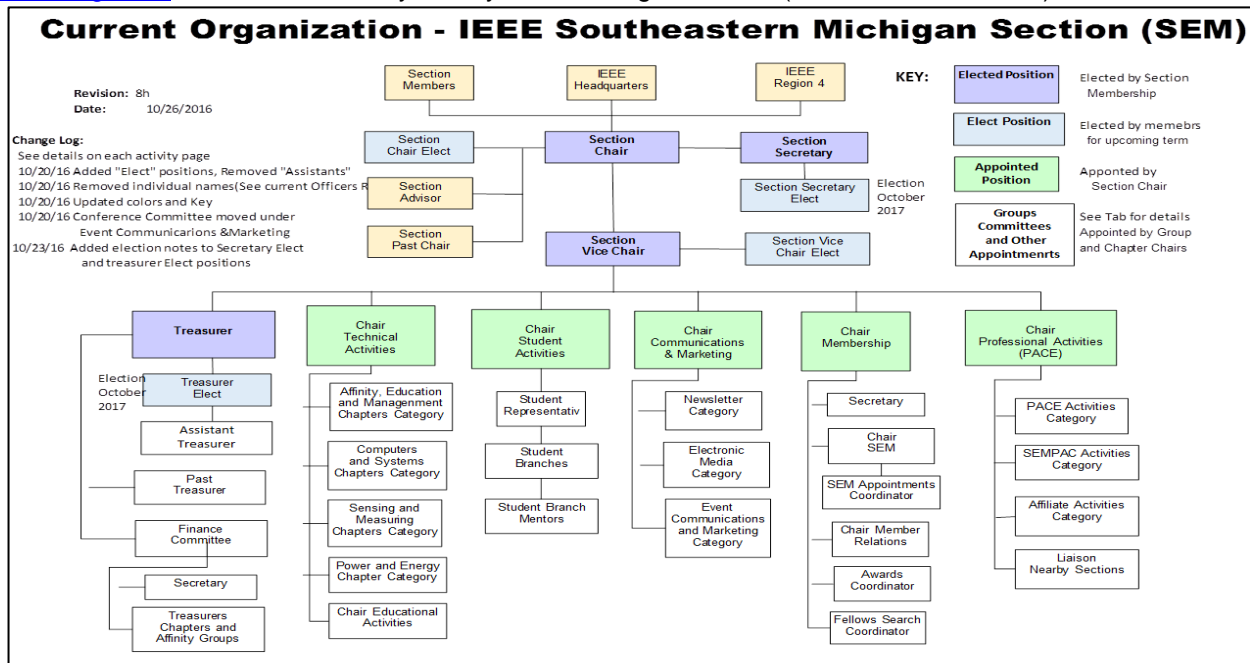
However, members of the section may have multiple technical interests and would like to have meeting information of other chapters. In order to communicate the meeting dates of all the chapters, affinity groups etc., to our members to facilitate their attendance, leaders of the groups are requested to send meeting information to our webmasters for posting on section’s calendar.

More detailed information on meetings may be found through the IEEE SEM Website: <http://r4.ieee.org/sem/> and clicking on the **SEM meetings list** button near the bottom of the left-hand banner.

Automatic e-mail notification of web updates may be received using the “**Email Notifications**” button at the top of the **SEM Tools/Links** side banner.

Christopher Johnson (Secretary)
 Email: secretary@ieee-sem.org

If you wish to download the **complete SEM Organization Chart**, in PDF format, it will be made available soon at <http://r4.ieee.org/sem/> . In the meantime, you may use the diagram below (soon to be refreshed!)



ExCom Meeting Schedule

NOTE: All SEM members are invited to attend ALL ExCom (Executive Committee) meetings:

Below is the 2022 schedule for the Section ExCom meetings with links to add the events to your calendar. It is important that at least one person from each Chapter/Affinity Group attends each scheduled ExCom meeting. Please mark your calendars for the 2022 meetings. Or, link your personal calendar to the SEM Web calendar.

Section Administrative Committee (ExCom) Meeting Schedule for 2022:

Note: All IEEE Members are welcome at any IEEE meeting, at any time but please register so we can be sure to accommodate you. This month's meeting is highlighted in **Bold**.

<i>ExCom Meeting</i>	<i>Date & Time</i>
May 05,2022 - SEM Section ExCom Monthly Meeting (Teleconference) for May 2022 https://events.vtools.ieee.org/m/289869	6:30 PM
June 02,2022 - SEM Section ExCom Monthly Meeting (Teleconference) for June 2022 https://events.vtools.ieee.org/m/289870	6:30 PM
July 07,2022 - SEM Section ExCom Monthly Meeting (Teleconference) for July 2022 https://events.vtools.ieee.org/m/289871	6:30 PM
August 04,2022 - SEM Section ExCom Monthly Meeting (Teleconference) for August 2022 https://events.vtools.ieee.org/m/289872	6:30 PM
Sept 01,2022 - SEM Section ExCom Monthly Meeting (Teleconference) for September 2022 https://events.vtools.ieee.org/m/289873	6:30 PM
October 06,2022 - SEM Section ExCom Monthly Meeting (Teleconference) for October 2022 https://events.vtools.ieee.org/m/289875	6:30 PM
Nov 03,2022 - SEM Section ExCom Monthly Meeting (Teleconference) for November 2022 https://events.vtools.ieee.org/m/289876	6:30 PM
Dec 01,2022 - SEM Section ExCom Monthly Meeting (Teleconference) for December 2022 https://events.vtools.ieee.org/m/289877	6:30 PM

Christopher Johnson (Secretary)

Email: secretary@ieee-sem.org

Editorial Corner

Previous editions in this series may be found on the IEEE SEM website at: <http://r4.ieee.org/sem/>. Click on the “Wavelengths” button in the top row of selections.

Comments and suggestions may be sent to the editorial team at wavelengths@ieee-sem.org

OR

sharan.kalwani@ieee.org

d.romanchik@ieee.org

nilesh.dudhaia@ieee.org

k.williams@ieee.org

cjohnson@ieee.org

lunnmalcolm@me.com

akio@emcsociety.org

We rely on our officers and members to provide the ‘copy’ that we finally present to readers of the newsletter.

The **Wavelengths Focus Plan and Personal Profiles** plan shown in the matrix below is presented to ensure coverage of section activities and events.

We try to complete the newsletter layout a week before the first of the month to allow time for review and corrections. If you have an article or notice, please submit it two weeks before the first of the month or earlier if possible.

The plan below relies on the contributions of our members and officers, so please do not be shy. If you have something that should be shared with the rest of the section, we want to give you that opportunity.

We always encourage all chapters and student branches to share news of activities (both past and future) in their arenas. Please feel free to share any and all information so your peers, colleagues can hear about all the good work you do.

Quote:

“If a tree falls in a forest and no one hears it, how do you know it actually fell??”

So, publicize your work, one never knows when it can pay off!

Editors:

We are always looking for members interested in helping to edit the newsletter. The process is always more fun with more people to share the duties. Having more participants and contributors also helps us keep the newsletter interesting.

Join the Team:

If you feel you might like to join the team, or would like to train with us, please contact one of us at:

wavelengths@ieee-sem.org

Sharan Kalwani,
Chair, IEEE SE Michigan Education Society Chapter
Vice-Chair, IEEE SE Michigan Computer Society Chapter
Co-Editor, Wavelengths,
2018~2019~2020~2021~2022

Wavelengths Annual Publication Plan for Articles

Month	AG's	Ch's	Ch's	SB's	Special Notice	Reporting Events	Monthly Focus	Awards
Jan		1		OU	New Year Officers	Officer's Welcome	The Year Ahead	
Feb	Cons	2		MSU	Science Fair Judges	National Engrs Wk.	Surviving Winter	
Mar		3	13	EMU	Elections - Prep			
Apr		4		U/M-D		ESD Gold Awards	Chapter Focus	
May	Life	5	14			Science Fair		
Jun		6					Leadership Skills	
Jul		7	15				Students Issues	
Aug	WIE	8			Nominations Call		Womens Issues	
Sep		9	16	LTU	Ballots	Engineers Day?	Professional Skills	
Oct		10		U/M-AA	Elections!	IEEE Day		
Nov	YP	11	17	WSU	Election Results	New Fellows		
Dec		12		U/D-M	IEEE-Com Apmts.		Happy Holidays	R4 Nom

Wavelengths Annual Publication Plan for Personal Profiles

Month	Profiles	Profiles	Committees
Jan	Chair	New Officers	ExCom
Feb	Treasurer		Communications
Mar	Secretary		Conference
Apr	Stud-Rep		Education
May	V-Chair		Executive
Jun	Sect-Adviser		Finance
Jul	Sr Officers		Membership
Aug			Nominations
Sep			PACE
Oct			Student Activiies
Nov			Technical Activiies
Dec	Editor-WL		



Web & Social Sites

SEM Website

<http://r4.ieee.org/sem/>

Each of the sites below may be accessed through the SEM Website:

Section Website Event Calendar

(Select the “SEM Calendar” button - top row)

SEM Facebook Page

(Select the “” button under the top row)

<https://www.facebook.com/groups/ieeesemich>

SEM LinkedIn Page

(Select the “” button under the top row)

<https://www.linkedin.com/groups/1766687/>

SEM Twitter Account (new)

(Select the “” button under the top row)

<https://www.twitter.com/ieeesemich>

SEM Collabratec Workspace (new)

<https://iee-collabratec.ieee.org/app/workspaces/5979/IEEE-Southeastern-Michigan-Section/activities>

SEM Officers:

For a complete listing of all - Section - Standing Committee - Affinity Group - Chapter and Student Branch Officers, see the SEM Officers Roster on the SEM web page under the “About SEM” button and select “Organization Roster”

Section Officers

Section Chair

Sharan Kalwani

Section Vice-Chair

Mohammad Berri

Section Secretary

Chris Johnson

Section Treasurer

Ramesh Sethu

Standing Committees:

Section Adviser

Don Bramlett

Wavelengths Editor

Sharan Kalwani

Chair Educational

Christopher Guirlanda

Chair Finance Committee

Subra Ganesan

Chair Membership

Development
Mohamad Berri

Chair Nominations & Appointments

Kimball Williams

Chair PACE

Sharan Kalwani

Chair Student Activities

Mel Chi

Student Communications Coordinator

Michael Anthony

Student Representative

Open!

Chair Technical Activities

Jeffery Mosley



IEEE Southeastern Michigan

Visit Us on the Web at:

<http://r4.ieee.org/sem>



Advertising Rates

SEM Website & Newsletter

Leadership Meetings

SEM Executive Committee Monthly Teleconferences:

- 1st Thursday of Each Month @ 6:30 PM
- Check the Section Web Calendar at:
<http://r4.ieee.org/sem/sem-calendar/>
(Select the "SEM Calendar" button in the top row.)

SEM Executive Committee Meetings:

- Find the location, and Registration at:
<http://bit.ly/sem-ieee>

SEM Standing Committee Meetings:

SEM Affinity Group Meetings:

SEM Technical Society/Chapter Meetings:

SEM University Student Branch Meetings:

- Meeting schedules are announced on SEM Calendar
<http://r4.ieee.org/sem/>
(Select the "SEM Calendar" button in the top row.)
- Registration for all at:
<http://bit.ly/sem-upcoming>