



Volume 54 – Issue 07
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Wavelengths Newsletter is produced by IEEE volunteers and published by IEEE Southeastern Michigan (SEM) Section (<http://www.ieee-sem.org>) for the Section members.

*Newsletter website:
http://ewh.ieee.org/r4/se_michigan/newsletter
Email: wavelengths@ieee-sem.org*

Wavelengths

Section Chair's Message

July Message:

Summer is a busy time for all and your IEEE officers are no exception. Many planning activities are taking place for Fall Conference, Chapter events and Student Activities. Several organizational position changes have been made over the past few months and you should be aware of them. The latest organizational Chart can be found on the section web site at www.ieee-sem.org and click on "Current Officers" in the left hand "About SEM" column. All of these are volunteer appointments and we welcome their efforts and willingness to serve.

- Section Assistant Secretary: Colleen Byerly
- Student Activities Chair: Nevrus Kaja
- Professional Activities (PACE) Chair: Basil Sherlund
- Finance Committee Chair: Basil Sherlund

Another area of activity is the boundary change for our Section. There has been a great deal of discussion, an affected member survey and a decision to move the Windsor, Essex County area to the IEEE Section in London Ontario.

There are more details in an accompanying article in this newsletter but please let me stress that all IEEE members and guests are welcome at all SEM Section and Chapter events. We value our Canadian friendships and wish for you to be welcome at all times to our activities.



You may still have to pay a registration fee for some activities but the amount will be the same for all attendees.

The Conference Committee is planning our Fall Conference and Student Activities are planning a Career Workshop and a Leadership Workshop for this fall so please watch for announcements. Please visit the IEEE-SEM Calendar at www.ieee-sem.org and click on the "Calendar" tab to see Chapter, Section and other events that may be of interest to you.

Volunteers are always welcome. Volunteering has the direct benefit of improving your communication, interpersonal and leadership skills. You may wish to include some of your volunteer efforts on your resume. Volunteer efforts are also considered as part of applications for IEEE membership level upgrades.

Thank you for your membership in IEEE and for your participation in SEM.

Robert Neff
IEEE SEM Section Chair
RLNeff1@gmail.com

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Windsor to Become Region 7:

As we reported in our May issue of Wavelengths, the events of 9/11 have made participation in IEEE activities for many of our Canadian members in Southeastern Michigan Section difficult at best. Leadership in both Region 4 and Region 7 developed a survey to assess the wishes of all IEEE Canadian SEM members. The survey has been conducted, and the result is that the slight majority of members of in the Windsor and Essex County IEEE areas are in favor of realigning themselves with Region (Canadian) IEEE.

Survey:

The results of the survey are included in this issue of Wavelengths on pages 3 – 9, as a service to all our members. (NOTE: We have removed the names and e-mail addresses of the respondents to ensure their anonymity.)

Notice the survey completion rate is 48%! The normal expected survey response rate is around 10%. This survey achieved a remarkable return which is an indication of the interest in the Windsor and Essex county members.

IEEE MGA Board Action:

On June 21, 2014 Region 4 and Region 7 Directors submitted a joint motion to the MGA Board at its regular meeting requesting a change to the SEM and London Boundaries to include Windsor and Essex counties as part of the London Ontario Section. The motion passed without challenge or discussion as part of the consent agenda.

It will take a couple of months for the official action to filter down through all of the administrative channels and communications data nets. Meanwhile, the implications of this action will have effects on a number of SEM Standing Committees, Affinity Groups and Chapters.

Canadian Members:

Obviously, our Canadian members who currently hold positions as officers and committee members will need to consider how they can realign their activities with the relevant Region 7 units. Hopefully the 'mix' of Affinity Groups and Chapters within the London Section will have corresponding units in place to welcome new volunteers into their organization.

SEM Units:

SEM Units (Standing Committees, Affinity Groups & Chapters) with volunteer members in Canada will need to find replacements from within SEM and ensure that there is sufficient time for a 'hand off' of information, documents and duties to the new volunteer.

While there has been no definitive statement yet from either Region 4 or Region 7, it would be reasonable to expect that current relationships and responsibilities of volunteers would continue until the new year when a final and formal change of relationships would take place.

In the meantime, a prudent action would be to immediately begin looking for appropriate replacements for any positions, and beginning a training process as soon as practical.

Canada Moving Forward:

Dr. Esam Abdel-Raheem of the University of Windsor led the effort to formally request the realignment with Region 7. We look to Dr. Abdel-Raheem to continue to act as the focal point of the Windsor organization and to assist local area IEEE members to smoothly transition to the Region 7 organization.

Those wishing to assist Dr. Abdel-Raheem in this effort should contact him and offer their support to the committee of other Windsor members.

IEEE SEM Canadian members wishing to work with Dr. Abdel-

Raheem on this activity should contact him at: eraheem@uwindsor.ca

SEM Moving Forward:

One of the strong concerns expressed by SEM Officers and by Region 4 and 7 leadership was that we ensure that communications linkages between Windsor and Essex County IEEE members and IEEE SEM Section remain close and consistent.

Despite the difficulty and expense in crossing from Windsor to Detroit, many Canadian members have found employment in Michigan, and many of us have found good friends in Windsor. Despite the organizational alignment with Region 7 and London Section, IEEE events in SEM Section remain physically closest to Windsor, and, for many Canadian members, easiest to attend.

In order to ensure consistent and rapid communications between SEM and London Section members, officers on both sides of the border will need to spend time during the next few months considering how to implement appropriate communication linkages without significantly increasing the information workload for our members. (See question 4 in the Survey on the next page.) As this work proceeds, we will let you know of the progress and direction of the efforts.

Best Wishes:

As our Canadian members conclude celebration of "Canada Day" on July 1st, and the USA celebrates "Independence Day" on July 4th it seems an appropriate time to wish our members in Windsor and Essex counties 'Bon Voyage' as they begin a new leg of their journey.

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Southeastern Michigan Section / Windsor, ON, Canada Survey Summary Report

[134 surveyed; 64 completed = 48% completion rate]

1. Would you prefer to remain a member of the IEEE Southeastern Michigan Section in Region 4? Over 50% of the respondents do not prefer to remain a member of the SEM Section in R4.

Response	Chart	Percentage	Count
Yes		47%	30 [47%]
No		53%	34 [53%]
Total Responses			64

2. Would you prefer to be a member of a new Section (IEEE Windsor) or Subsection (of IEEE London Section) in IEEE Canada (Region 7)? The majority of the respondents prefer to be a member of a new Section or Subsection, of the IEEE London Section, in Canada, R7.

Response	Chart	Percentage	Count
Yes		67%	43 [67%]
No		33%	21 [33%]
Total Responses			64

3. Would you be willing to be one of the initial leaders of a new IEEE Windsor Section or Subsection in Region 7? If Yes, please provide your name and email address where we may contact you. Sixteen (16) respondents have provided their contact information to volunteer to be the initial leaders of a new Section or Subsection of the IEEE London Section in Canada, R7.

Response	Chart	Percentage	Count
Yes		25%	16 [25%]
No		75%	48 [75%]
Total Responses			64

4. Would you prefer to also get Southeastern Michigan Section notifications/communications if you transfer to Region 7? More than 80% of the respondents prefer to get notifications/communications for both SEM, R4 and a new Section or Subsection of the IEEE London Section in Canada, R7.

Response	Chart	Percentage	Count
Yes		83%	53 [83%]
No		17%	11 [17%]
Total Responses			64

5. Would you prefer to also get Region 7/London Section notifications/communications if you remain in the Southeastern Michigan section? More than 70% of the respondents who wish to remain in the SEM Section would prefer to get notifications/communications from a new Section or Subsection of the IEEE London Section in Canada, R7

Response	Chart	Percentage	Count
Yes		72%	46 [72%]
No		28%	18 [28%]
Total Responses			64

6. What problems/issues do you experience or advantages do you see with the present Southeastern Michigan Section status?

The 44 response(s) to this question can be found in the appendix.

7. What problems/issues or advantages do you see with the proposed Windsor Section or Subsection status?

The 40 response(s) to this question can be found in the appendix.

Appendix

6. What problems/issues do you experience or advantages do you see with the present Southeastern Michigan Section status? |

#	Response
1.	border crossing & crime rate
2.	Being a landed immigrant, I do not US visa to visit events by SEM in US
3.	None
4.	advantages: access to a big network of IEEE in geographically neighbourhood, receive IEEE news in area and benefit from their great technical seminars and workshops
5.	I don't have any issues, but as a Canadian resident and citizen I think its most suitable to be part of Region 7.
6.	Crossing the border is especially difficult when the reason is to attend a meeting.
7.	There are no issues besides border crossing hassle and fees
8.	Border crossing
9.	I work in Michigan so there are advantages to being in the Michigan chapter
10.	Since for passing the border I need a Visa, it is impossible to attend the IEEE events.
11.	Not being able involved
12.	One thing is that I currently do not have US Visa and this not letting me attend few conferences happening in Michigan.
13.	US VISA issues to international students in Canada
14.	The border is the largest prohibitor for many U Windsor students who would like to participate in SEM activities

- | |
|--|
| 15. Border crossing time delay/different system |
| 16. It is better to remain in IEEE SEM. |
| 17. N/A |
| 18. Sorry I am moving to Toronto. I want to be changed to IEEE Toronto section. |
| 19. Closeness to the activities, potential border crossing issues for some members |
| 20. Crossing the border. There are members that are not citizens of Canada and therefore need visa to travel to USA, and many of them do not possess visas |
| 21. Cross border travel is difficult. You are treated as an applicant for a job. great range of IEEE activities. |
| 22. boarder |
| 23. nothing |
| 24. The advantage is that Michigan section seems to enjoy a larger network. |
| 25. Participation is not easy |
| 26. Cross border difficulty |
| 27. cannot communicate in person while the leaders and meetings or in USA |
| 28. advantage is being with better universities |
| 29. I don't have US visa, so crossing the border is a problem. |
| 30. No issues |
| 31. since I am international Student , I face problem with border crossing. |
| 32. problem getting visa to cross the border |
| 33. The high crossing border toll and driving distance. |
| 34. I am out of touch with developments in my home country of Canada |
| 35. the border crossing |
| 36. none |
| 37. its close to Wndsor and commute time is much shorter than going to London |
| 38. Border crossing, delay, and more |
| 39. No problem. |
| 40. Crossing the border |
| 41. no problems/advatages: To have access to many universities and their seminars and workshops. |
| 42. Crossing the border as I don't have US VISA |
| 43. border waiting |
| 44. I don't feel that I am exposed to or informed of Canadian opportunities. |

7. What problems/issues or advantages do you see with the proposed Windsor Section or Subsection status? |**# Response**

1.	travel distance to London	
2.	I can attend all the events that are organized in Windsor or London, Canada	
3.	Other activities of IEEE too far from Windsor	
4.	problems: 2hours distance from closest section, and 4hours from Toronto to join ieee activities there. advantages: can use Canadian part ieee scholarships	
5.	I don't have any issues, but as a Canadian resident and citizen I think its most suitable to be part of Region 7.	Feels disconnected from activities/opportunities in Canada, R7
6.	Having members demonstrate some leadership in making the section succeed.	
7.	SEM is already a large and well-developed section, creating a new section would take alot of effort that isn't guaranteed to be successful.	
8.	I work in Michigan so there are advantages to being in the Michigan chapter	
9.	I can actively participate in the IEEE events.	
10.	Easier to participate.	
11.	If this could benefits students and other members more, than I recommend it to make it happen.	
12.	That might leave the members in this region even more isolated than in the present status	
13.	More concern, more volunteers, more activities	
14.	It is easier for social gathering.	
15.	Distance	
16.	Being remote from Toronto where perhaps most happenings take place	
17.	Industrial profile of Windsor is much different from that of London (it is actually similar to Michigan), and therefore it is of much advantage to form a subsection of a	

chapter in Windsor
18. Within 30 minutes drive I have access to 7 engineering school in Michigan and I can participate in their activities while closest engineering school in Canada is two hours away. Also activities of region 4 is far better than of those of region 7.
19. Finding the proper leadership and member engagement.
20. close
21. Better participation
22. To be informed of events happening in Canada
23. it is easier to communicate
24. nothing
25. Being local, I can attend all the events comfortably.
26. No issues
27. I see more opportunity and advantages in windsor section
28. independency by having windsor section separately and being able to hold events according to our section,s requirements
29. How many events are possibly hold in windsor area?
30. Not sure we would be large enough to function. It is an advantage to have access to the large Michigan section. Travel to Michigan for events is much easier than London.
31. ease of access
32. less activities
33. Very long distance. it would be a day's planning to attend a meeting while in Detroit, it would be easy to attend evening events and come back the same day.
34. Flexibility, no visa and delay needed,better events organization, and more
35. I am ok with both Region 4 and proposed Windsor section.

- | |
|---|
| 36. Having Windsor region will attract more members to share or showcase their research and we can have good participation in all activities. |
| 37. losing all the advantages with Michigan Section |
| 38. I can participate in all events. |
| 39. initiate required activities |
| 40. None |

Section Volunteer Options:

The Electronic Media Sub-Group of the **Communications & Marketing Committee** is looking for several new members who are willing to learn and grow into the following positions:

LinkedIn Page Coordinator
Facebook Page Coordinator
ListServ Operations Coordinator
On-Line-Community Coordinator

Each of these positions will be an active function with significant responsibilities to maintain and facilitate communications among our members.

Interested members should use the link below to indicate your interest, and the Nominations and Appointments Committee will contact you:

<https://ieee.fluidsurveys.com/s/sem-committee/?code=>

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Membership:

Mohamad Berri is a product Design engineer with 20+ years of experience in different areas of product development Powertrain, Multimedia, chassis, and in particular in Electrical CAE.

In 1996, Mohamad received his Ph.D, in Electrical Engineering Control Systems from Wayne State University.

From 1993 to 1996, Mohamad was a Research Engineer at Ford Motor Company while he was a PhD candidate at Wayne State University working on Electric Exhaust Gas Recirculation (EGR) Subsystem. In 1996 he was employed by TRW Automotive working on a project for a safety and security product for three years. Then he moved to Visteon in 1999 as a Design Specialist working on Active Tilt Control system (ATC) project. Subsequently in 2002, Mohamad moved back to Ford Motor Company - Scientific Research Lab – working on Powertrain Control Systems for a year and then in 1993 he moved to Ford EESE CAE department, supporting and validating electrical subsystems for various vehicle programs.

In addition, during the years 1991-2003, Dr. Berri was an Adjunct Faculty at Wayne State University teaching several graduate and undergraduate level courses in Electrical Engineering and Automatic Control Systems. Since

2012, Dr. Berri is an adjunct faculty at the University of Michigan Dearborn teaching Advanced Control Theory.

Mohamad is a Senior Member of IEEE. He is an active member of the Executive Committee of IEEE Southeastern Michigan Section for the past 15 years and serves as the Director of Membership.

In addition, he is the Chair of the Vehicular Technology Chapter in the Section. At the IEEE Region level, Mohamad was the Membership Committee Chair for R4 for 2012 and 2013. Currently, he is a member of the Executive Committee and the History Committee Chair of Region 4.

At the national level, he served as an MGA Membership Committee Member for 2012 and 2013.

Membership:

I would like to bring your attention to IEEE Membership that can benefit the section and at the same time get a reward. The IEEE member is the best person who knows the technical and career development benefit of IEEE membership. Member-Get-a Member program is still available for you.

You may also reward yourself by applying to IEEE Senior membership Elevation. If you have a total of ten years with significant performing in your profession you will be eligible for Senior Membership Elevation. A PhD degree is considered 5 year of significant performance and an MS degree is considered three years of significant performance.

If you are interested to be a senior member, you may send me your CV at mberri@ieee.org and I will initiate your online application and provide you with the detailed process including two references that will support completing your application.

For more detail [Review complete Senior member requirements.](#)

Chapter 2 & Chapter 12:

As the Chair of Chapter II “Vehicular Technology Chapter”, and Vice Chair of Chapter XII “Control Systems Chapter”, I would like to inform you about the activities that we have performed this year thus far by sponsoring the following activities:

- 1- On March 13, 2014 Chapter II and Chapter XII sponsored “Hybrid and Electric Vehicle, Michigan Wireless Power Transfer Workshop” in University of Michigan Dearborn.
- 2- On April 24, 2014 Chapter II and Chapter XII sponsored the Spring Section Conference by presenting “Electric Vehicle Charging” Presentation by Rich Scholer.
- 3- On June 15 through June 18, 2014 Chapter II and Chapter XII sponsored the IKEC IEEE Transportation Electrification Conference in [Adobe Hotel Dearborn/Detroit](#).

We are looking for volunteers to join us and be active in the Membership Committee of Southeastern Michigan Section to promote IEEE membership activities.

If you are interested in the technical involvement, you can join me as an active volunteer for Chapter II – Vehicular Technology Chapter and be key players in Chapter Executive Committee. You may email me at mberri@ieee.org if you are interested to volunteer for the Vehicular Technology Chapter and/or Membership Committee.

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Nominations & the Election Ballot Process:

We have now passed the ½ point in the Section calendar year and are well on the road to assembling the ballots for officer elections to the Section, the Affinity Groups and our Technical Chapters.

The IEEE Member and Geographic Activities organization (MGA) has established a recommended schedule for implementation of a Section election, and we are doing our best to align with that schedule.

In order assist the elements in our Section to complete this process in a timely manner we will be updating you each month with the current status of election nominations and finally the election as collected in our vTools survey system.

All the officer positions within our Section elements are collected in the survey form which identified all the elements and officer position in an on-line form that anyone in the Section can access.

Officer Positions:

All of our Section elements have the same ballot election positions

- **Chair**
- **Vice-Chair**
- **Secretary**
- **Treasurer**

Each of these positions is elected for a 1 year term, with the possibility of reelection the following year.

MGA recommends that no officer hold an elected position for more than 3 consecutive years. This is to encourage younger officers to 'step up' to the learning experience of holding an office and also to encourage our more senior volunteers to become 'mentors' of the new officers and to themselves 'step up' to more responsible positions in the Section, the Region and in the upper MGA and TAB organizations.

Requirements:

The MGA insists that all officer candidates share some common characteristics.

All candidates must:

- *Be a paid up "Member". (You will verify that by submitting your **member number** with your application in the survey).*
- *Hold member grade of Graduate Student or higher.*
- *To be a candidate for an Affinity Group (AG) or Chapter (Ch) office, you must be a member of that AG or Ch primary organization.*

The software system is set up to evaluate these requirements as a first level check of a candidate's qualifications.

If one of these qualifications is not met, the candidate is invalidated for that position.

The complete listing of all the officer positions in Southeastern Michigan Section may be found by opening the SEM Website at:<<>>

Use the Top Banner, and click on the "About SEM" button. Then in the side bar that shows up, click on the "Current Officers" button. In the central page, note the list of officer rosters and click on the most recent.

Alternatively, use the link below, and you should be presented with the current Officer Roster.

http://sites.ieee.org/sem/files/2012/09/Officers_Roster_IEEE_SEM_5_23_2014.pdf

The complete list of Affinity Groups and Technical Societies is shown in the title block with each of the relevant SEM elements. If you are in doubt as to whether or not a particular Chapter or AG represents a Society, you may find that information in the Officer Roster.

It should be noted that we often 'elect' and 'appoint' more than one "Vice-Chair" to an Affinity Group or Chapter to handle the multitude of activities that in which a busy organization becomes involved.

Election Nominations Survey Site:

In order to either nominate yourself for an officer position, or to nominate someone else for election to a position, open the vTools Survey site at:

<https://ieee.fluidsurveys.com/s/SEM-2015-Election-Nominations/>

Be aware that one of the first items you will need to use the survey is either your **member number**, or the member number of the person whom you are nominating for election.

Current Nominations Status:

On the next page we are publishing the charts of the current level of nominations for Affinity Group and Chapter officer nominations. If there is a "1" in a cell, then there is at least one candidate for that office. (MGA recommends we find 3 candidates for each office.)

If you are a current holder of an officer position in an Affinity Group or Chapter, please be aware that a nomination for continuing in your office is NOT automatic! You MUST either self-nominate for election in September, or have someone else nominate you for your office, or for another office in the Section.

We look forward to hearing from you soon.

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Chapter & AG Offices w/Minimum # of Candidates

Ch's & AG's	Chair	Vice Chair	Secretary >	Treasurer	Name
Cndt	1			1	Consultants Network
LIFE	1				Life Members
WIE					Women In Engineering
YP					Young Professionals
1					Circuits & Systems, Signal Proc., Info Th.
2					Vehicular Technology
3					Aerospace & Elec. Sys., Communications
4					Trident (Ant, Elect Dev., uWave, Photo)
5	1	1		1	Computers
6					Geoscience & Remote Sensing
7					Power Engineering, Industrial App.
8	1		1		Electromagnetic Compatibility (EMC)
9					Power Electronics, Industrial Electronics
10					Engineering Management
11					Eng. in Medicine & Biology
12					Control Systems
13					Education
14		1			Robotics & Automation
15					<< Open Slot >>
16	1				Computational Intelligence / Sys.Man.Cyber.
17	1				Nano Technology Council
SEM	1	1	1		SEM (Section)
					14 Chapter & AG Offices w/ min # of candidates
					84 Total Offices to fill
					17% Percent Filled

Chapters & AGs w/# of Candidates for Each Office

Ch's & AG's	Chair	Vice Chair	Secretary >	Treasurer	Name
Cndt	1	0	0	1	Consultants Network
LIFE	1	0	0	0	Life Members
WIE	0	0	0	0	Women In Engineering
YP	0	0	0	0	Young Professionals
1	0	0	0	0	Circuits & Systems, Signal Proc., Info Th.
2	0	0	0	0	Vehicular Technology
3	0	0	0	0	Aerospace & Elec. Sys., Communications
4	0	0	0	0	Trident (Ant, Elect Dev., uWave, Photo)
5	1	1	0	1	Computers
6	0	0	0	0	Geoscience & Remote Sensing
7	0	0	0	0	Power Engineering, Industrial App.
8	1	0	1	0	Electromagnetic Compatibility (EMC)
9	0	0	0	0	Power Electronics, Industrial Electronics
10	0	0	0	0	Engineering Management
11	0	0	0	0	Eng. in Medicine & Biology
12	0	0	0	0	Control Systems
13	0	0	0	0	Education
14	0	1	0	0	Robotics & Automation
15					<< Open Slot >>
16	1	0	0	0	Computational Intelligence / SysMan.Cyber.
17	1	0	0	0	Nano Technology Council
SEM	1	1	1	0	SEM (Section)
					16 Canidates to date

Groups	Units	23-Apr	30-Apr	7-May	14-May	21-May	28-May	4-Jun	11-Jun	18-Jun	25-Jun	2-Jul	9-Jul	16-Jul	23-Jul	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	10-Sep	17-Sep	24-Sep	1-Oct	8-Oct	15-Oct	22-Oct	29-Oct	5-Nov	12-Nov	19-Nov	26-Nov	3-Dec	10-Dec	17-Dec	
0	Section	N						CN							BB							LB						RR									
1	Chap10	N						CN							BB							LB						RR									
1	Chap13		N						CN							BB							LB						RR								
1	Cons.			N						CN							BB						LB							RR							
1	LIFE				N						CN							BB						LB						RR							
1	WIE					N						CN							BB					LB							RR						
1	YP						N						CN							BB					LB							RR					
2	Chap1	N							CN						BB							LB						RR									
2	Chap14		N							CN					BB								LB						RR								
2	Chap16			N							CN					BB								LB						RR							
2	Chap3				N							CN					BB							LB						RR							
2	Chap5					N							CN					BB							LB						RR						
3	Chap11	N								CN					BB								LB						RR								
3	Chap17		N												BB									LB					RR								
3	Chap4			N												BB								LB						RR							
3	Chap6				N												BB								LB						RR						
3	Chap8					N												BB							LB						RR						
4	Chap12	N													BB								LB						RR								
4	Chap2		N												BB									LB						RR							
4	Chap7			N												BB									LB					RR							
4	Chap9				N												BB								LB					RR							
5	Chap15																																				
		Nominations				Capture Nominations				Build Ballots				Launch Ballots				Report Results																			
						Breather								Report to Section Executive Committee																							
		Update vTools Officer Report for all Units																																			

As you can see from the chart above, we have concluded our first round of "Calls" for SEM Unit nominations. We will shortly follow with "Reminder" messages to all the Affinity Group and Chapter members.

By mid-July we will begin building the actual 'Ballots' for each SEM Unit in preparation for an official "Launch" by mid-September. We are conducting the election in a "staggered" launch of individual SEM Units because the launch of so many

ballots at the same time in the past has confused and frustrated many members. We hope this process will help make the process more understandable for all concerned.

Executive Committee

The **SEM Executive Committee** is the primary coordination unit for Southeastern Michigan (SEM) IEEE operations. The basic organization chart below shows the 2014 arrangement of communications links designed to provide inter-unit coordination and collaboration.

The SEM Executive Committee meets in a teleconference each month on either the first Wednesday or first Thursday at Noon. The specific meeting days, times, phone or WebEx numbers and log in codes are published on the IEEE SEM Website calendar: <http://sites.ieee.org/sem/> Click on the 'Calendar' button in the top banner on the Website first page.

If you wish to attend, or just monitor the discussions, please contact David Mindham, the Section Secretary at:

dmindham@ieee.org and request to be put 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:

Most 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 those meetings each month.

However, most of our members are not 2-dimensional beings, with only one focused interest. That means that they would likely find meetings of the other Chapters also of interest. In order to communicate those options to our members and facilitate their attendance we ask each of our

Chapters to send their meeting information to our Webmasters who post the meeting information on the Website Calendar.

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

You may also set up automatic e-mail notifications of web updates by using the **"Email Notifications"** button at the top of the **SEM Tools/Links** side banner.

David Mindham - SEM Secretary

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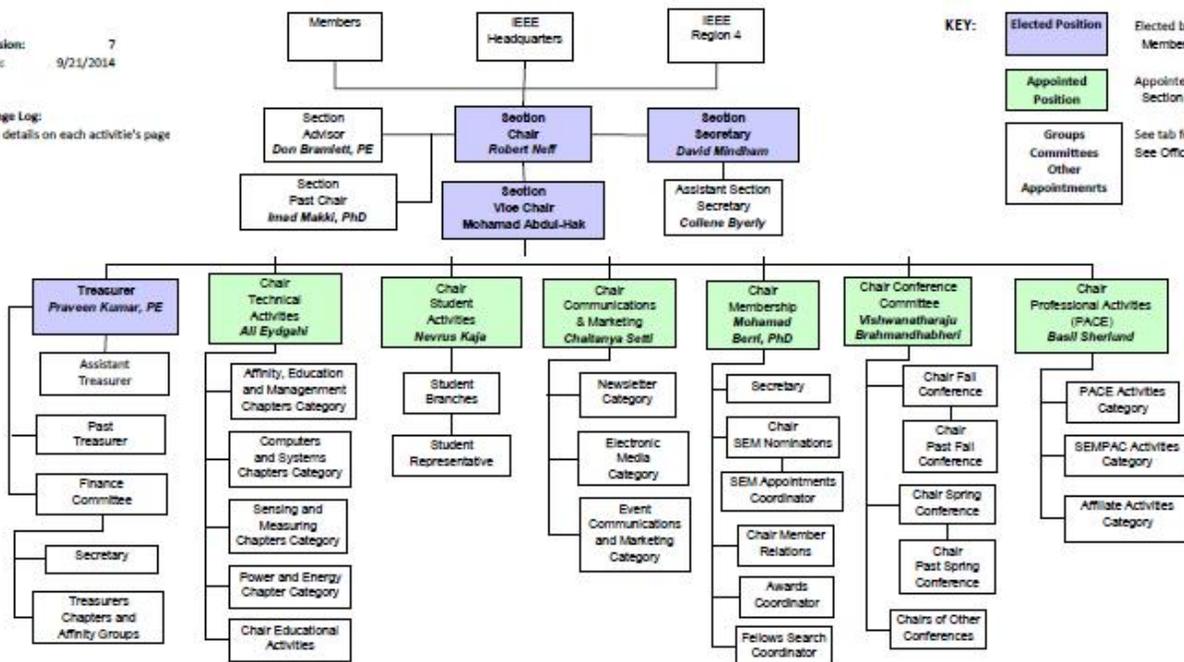
2014 Organization - IEEE Southeastern Michigan Section (SEM)

Revision: 7
Date: 9/21/2014

Change Log:
See details on each activity's page

KEY:

- Elected Position Elected by Section Membership
- Appointed Position Appointed by Section Chair
- Groups Committees Other Appointments See tab for details See Officers Roster



Section Mission & Goals**Section Focus:**

The IEEE SEM Senior Officers of the Section have reaffirmed the overall Mission and Goals of the Section, which align with the overall objectives of IEEE worldwide and with the guidance provided by our leadership in Region 4.

You have probably seen the Mission and Goals before. However, it is important to keep these clearly in mind and remind ourselves often that this is what we are about and what we are trying to accomplish.

Section Mission

Inspire – Enable – Empower and Engage Members of IEEE at the local level.

For the purpose of:

- Fulfilling the mission of IEEE (...**foster technological innovation and excellence for the benefit of humanity.**)
- Enhancing the members' growth and development throughout their life cycle
- Providing a professional home

Section Goals

- Increase member engagement,
- Improve relationships with and among members,
- Increase operational efficiency and effectiveness, within the section and its interfaces,
- Enhance collaboration – serve as the local face of IEEE to the community,
- Increase membership,
- Ensure the collection of appropriate information necessary to assist the IEEE to become a data driven organization.

It is now the task of the Section leadership to guide and coach all Section officers and elements to focus their activities on achieving those goals.

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SEM Monthly Meetings**Scheduled Meetings:**

The regular meetings of the SEM 'Leadership' (Executive Committee) are scheduled well in advance to allow everyone to place them in their personal planning calendars, and then defend those dates against encroachment. (*Not always possible.*)

Two types of Monthly meetings are normally scheduled:

Monthly Teleconference / WebEx as well as:

Quarterly Face-to-Face.(See Below)

Note: All IEEE meetings are '**Open**' for all members to attend.

The only caveat is that you please register using the specific meeting form found at:

<https://meetings.vtools.ieee.org/main>

This will ensure we have sufficient space, refreshments and support for everyone who joins the meetings.

Teleconference Schedule (held from 12-1 PM):

- Thursday, August 7th
- Wednesday, September 3rd
- Wednesday, November 5th
- Thursday, December 4th

F2F Meeting Schedule:

- **Wednesday, July 9th**
- Thursday, October 2nd

More information for the f2f meetings will be sent out as the dates are approached. Keep in touch via the SEM Web site (<http://sites.ieee.org/sem/>) or use the links to the SEM Facebook or LinkedIn pages on the SEM Web page.

vTools Schedule:

All the normally scheduled meetings of each of the other Section 'units' are listed each month in the vTools area of our SEM website at:

http://ewh.ieee.org/r4/se_michigan/calendar1.php

These announcements refer to:

Standing Committee Meetings:

Affinity Group Meetings:

Technical Chapter Meetings:

University Student Branch Meetings:

Calendar Schedule:

Meetings are also announced on the SEM Web page Calendar

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

(Select the "**SEM Calendar**" button in the top row.)

Note: Often meetings of the 'Executive Committees' of Chapters and Affinity Groups (and standing committees, of course) are listed only in the 'SEM Calendar' page, since it is felt that most members would not wish to sit through the 'administrative' meetings. However, if this type of meeting is just your 'cup of tea', then contact the officers of the unit that is conducting the meeting, and ask to be 'linked' into their teleconference, SKYPE, Google Hangout, or WebEx meeting. They would be happy to have you as a participant.

Many volunteers get interested in Section activities when they get a chance to attend an Monthly meeting and 'peek under the hood' to find out how the machinery of the Section actually runs. It can be a rewarding experience.

David Mindham

SEM Section Secretary.

dmindham@ieee.org

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Editors Corner

This is the 7th 2014 issue of the Wavelengths newsletter.

Earlier editions in this series may be found on the IEEE SEM Web page at: <http://sites.ieee.org/sem/>. Click on the "Wavelengths" button in the top row of selections.

Comments and suggestions may be sent to the editor at k.williams@ieee.org. We also recommend a cc to the Chair of the Communications and Marketing Committee, Chaitanya Setti at: chaitanyagini@ieee.org.

The newsletter does not have a staff of reporters to 'investigate' what is going on in the Section and write up informative articles.

We rely on our Officers and Members to provide the 'copy' that we finally present to our readers as the newsletter.

Wavelengths – Focus Plan:

Month	AG's	Ch's	Ch's	SB's	Specal Notice	Reporting Events	Monthly Focus	Awards
Jan		1		U/D-M	Future Cities Judges	Election Results	Resolutions	
Feb	Cons	2		MSU	Science Fair Judges	Officer's Welcome	Surviving Winter	Future Cities
Mar		3	13	U/M-AA	Spring Conf. Flyer	Spring Conference	Spring Conference	Science Fair
Apr		4		WSU	National Engrs Wk.	Future Cities	Chapter Focus	GOLD Award
May	Life	5	14	LTU	Outstanding Eng Awd	Science Fair	Humanatarian	New Fellows
Jun		6		SCC	IEEE-USA Apmts.	ESD Banquett	Leadership Skills	SEM Awards
Jul		7	15	U/W	Nominations Call	MD-Webcasts	Students Issues	Region 4
Aug	WIE	8		OU	MGA - Apmts.	Tech-Webinars	Womens Issues	
Sep		9	16	EMU	Region 4 Apmts.	Engineers Day	Professional Skills	
Oct		10		ITT	Fall Conf. Flyer		Fall Conference	
Nov	YP	11	17	U/M-D	ELECTIONS!			
Dec		12			IEEE-Com Apmts.	Fall Conference	Happy Holidays	

Wavelengths – Personal Profiles:

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

The **Wavelengths – Focus Plan and Personal Profiles** plan shown in the matrix below is conceived as a method to ensure a reasonable coverage of normally expected Section activities and events.

We try to finish each issue assembly by the week before the first of each month to allow time for review and corrections. If you have an article or notice, please try to get it to us on time or early 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.

Letter to the Editor:

We would like to see "Letters to the Editor" as a regular column but, of course that means that someone must send an e-mail to the editor...[hint!](#)

Co-Editors:

I am selfishly looking for someone interested in helping to edit the newsletter along with me who can learn the process, share in the duties, and help keep the newsletter alive and lively by providing an alternative point of view.

If you feel you might be that person, or would like to train to become that person, please let me know.

k.williams@ieee.org

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Web & Social Sites

SEM Website

<http://sites.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.)

SEM LinkedIn Page

(Select the “” button under the top row.)

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 “Current Officers”.

SEM On Line Community

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

Section Officers

Section Chair
Robert Neff

Section Secretary
David Mindham

Section Vice-Chair
Mohamad Abdul-Hak

Section Treasurer
Praveen Kumar

Section Adviser
Don Bramlett

Chair Communications & Marketing
Chaitanya Setti

Chair Conferences
Raju Brahmandhabheri

Chair Educational Activities
Chaomin Luo

Chair Finance
Bassel Atallah

Chair Membership
Mohamad Berri

Chair Nominations
Chaitanya Setti

Chair Professional Activities
Basil Sherlund

Chair Student Activities
Basil Sherlund

Student Representative
Hanan Mekawy

Chair Technical Activities
Ali Eydgahi

Past Section Chair
Imad Makki



IEEE Southeastern Michigan

Visit Us on the Web at:
<http://sites.ieee.org/sem/>



Leadership Meetings

All IEEE members are welcome to join us at any regularly scheduled meeting:

Advertising Rates

SEM Website & Newsletter
Advertising Rates / Month:

Our readers specify & purchase a wide range of electronic components, equipment and services. Our sponsors come from industry, education, and nonprofit organizations.

Full page \$500,

Half page \$250

Quarter page \$125,

Eighth page \$65.

SEM Executive Committee Monthly Teleconferences:

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

SEM Executive Committee Face-to-Face Meetings:

- 1/Qtr. Usually held at U/M-D Fairlane Center
- Registration at:
<https://meetings.vtools.ieee.org/main>

SEM Standing Committee Meetings:

SEM Affinity Group Meetings:

SEM Technical Chapter Meetings:

SEM University Student Branch Meetings:

- Meeting schedules are announced on SEM Web Calendar
<http://sites.ieee.org/sem/>
(Select the "SEM Calendar" button in the top row.)
- Registration for all at:
<https://meetings.vtools.ieee.org/main>