

Wavelengths

Volume 55 – Issue 2 February 2015

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Section Chair's Message

I am hopeful we are all carefully dealing with, and maybe even enjoying, our winter days here in Michigan. The activities of your 2015 Section Officers, however, are heating up.

At the recent ExCom meeting on January 15, several important items of business were concluded.

- The 2015 annual budget was approved. This is our plan for managing the section during the upcoming year. It required quite a large amount of time by our Finance Committee (FinCom) to come up with a balanced budget.

- Part of the budget process was approval of the spring conference budget. This also required discussion to keep it realistic and balanced.

A procedure was presented that defines the process for project and event funding approval. The procedure was distributed to the ExCom and is an attachment to the meeting minutes. Your Chapter Chairs and Group Chairs have copies of the procedure. Basically, requests are to be sent to the FinCom for review, and if recommended for approval, sent on to the ExCom for final approval.

We have operated our Section at a financial deficit for the last 5 or more years. This drain on our financial



reserves cannot continue. We must manage our programs, educational events and leadership training within our income. This year's budget is a giant step forward in balancing it.

Please visit our web site at www.ieeesem.org to see the latest information about our Spring Conference. The Organizing Committee has been working hard for months planning an event that you will enjoy, provide great networking opportunities, and be educational. Please consider attending this event that promises good value at a nominal cost.

I look forward to hearing from you and seeing you at our events. As always, your ideas and suggestions are encouraged and welcomed.

Robert Neff IEEE SEM Section Chair RLNeff1@gmail.com

[IEEE SEM - WAVELENGTHS]

Science Fair Judges:

IEEE-SEMMEMBERSNEEDED ASSCIENCE FAIRJUDGES

By Don C. Bramlett, PE, SMIEEE

Please volunteer to serve on the elite panel of judges for the professional awards being sponsored by the Southeastern Michigan Section of the Institute of Electrical and Electronics Engineer, Inc. (IEEE-SEM) at the 58th Annual Science and Engineering Fair of Metropolitan Detroit (SEFMD). This is the twentieth straight year that IEEE-SEM has provided judges and sponsored professional awards for projects associated with electrical, electronics and computer engineering.

Judging will be on <u>Wednesday, March</u> <u>11th at the Science Fair, to be held at</u> <u>Cobo Hall in downtown Detroit</u>. The Science Fair will be in the Michigan Hall this year which is located on the Lower Level or Level (0). Please plan your arrival at the hall between 7:45 and 8:30 a.m. in order to have time to enjoy free coffee and muffins. We will be near the Professional Awards Judging Desk (front of hall near the muffins and coffee); bypass the normal judge check-in as you enter the front of Michigan Hall.

As last year, IEEE-SEM plans to provide judging for both the Junior (5th – 7th grade) Division and the Senior (High School) Division. It is anticipated that the IEEE-SEM awards judging will start at 8:45 a.m. and be completed by 11:30 a.m... IEEE-SEM will tentatively make two Grand Awards, including framed certificates and cash prizes, and several Honorable Mention Recognition Awards, consisting of framed certificates.

The planned routine is to separate into small groups and then quickly roam through the assigned sections with the project displays and identify the projects related electrical, to electronics and computer engineering that are worthy of further review by the panel of IEEE-SEM judges. It is anticipated that the number of relevant projects will be rather small. We will then form one team of judges to evaluate in greater detail the selected projects. Based on the number and quality of the selected project displays, the judges may choose to use the supplied Project Evaluation and Judging Forms to grade the projects in each division or to use a less formal process, as deemed appropriate.

There is parking on the roof of Cobo Hall; free coffee and muffins are available in the hall during the morning.

I look forward to seeing you at the Science Fair. Please direct any questions you may have to me at my office, (313) 235-7549, during normal weekday business hours. At other times, I can be contacted at home, (734) 591-1452, or on my cell phone, 313-608-6223. I may also be contacted via e-mail at d.bramlett@ieee.org or

bramlett@dteenergy.com.

Don Bramlett

2014 Election Results:

The election results for the Section Executive Committee, Chair, Vice Chair, Secretary and Treasurer were reported in the January issue.

The complete officer roster, including appointments to the standing committees, and officers elected to affinity groups, chapters and student branches.

NOTE: While the elections and appointments are complete as reported herein, new volunteers, job family requirements, changes. relocations, and out-of-section-study opportunities will require functional realignments and new appointments. As these occur, the Section Officer Roster will be updated and posted on the Website http://sites.ieee.org/sem/. Current information may be obtained by going to the website clicking on 'About SEM" in the top row of buttons, then "Current Officers" from the left hand panel. The most recent Officer Roster PDF file will appear in the center panel and may be downloaded to your computer.

See more about the 2014 election on page 6.

Chapter 2: Officers

IEEE-SEM Chapter 2: Vehicle Technology Society

The IEEE-SEM <u>Vehicular Technology Society</u> (VTS) Chapter concerns itself with land, airborne and maritime mobile services; portable commercial and citizen's communications services; vehicular electrotechnology, equipment and systems of the automotive industry; traction power, signals, communications and control systems for mass transit and railroads. The VTS Chapter has 102 members and boasts a wide range of member interest and talents. The officers featured below reflect this diversity:



<u>Gene Saltzberg, VTS Chapter Chair</u>. Gene has BS and MS Degrees in Electrical Engineer from Rochester Institute of Technology. Gene has worked as Electro-Optics and EMC Engineer at Xerox Corporation in Rochester, NY. Gene Started his GM career in Honeoye Falls, NY in the Fuel Cell Activity Organization and later transferred to his current assignment in Warren, MI as an Electrification Engineer. Gene is an IEEE Senior Member. He has held several position in the Rochester NY Section, for example, Section Vice Chair, EMC Chapter Chair and Region 1 Area Chair of Western New York.

Mohamad Berri, VTS Chapter Vice-Chair. Mohamad received the BSEE degree, in 1985, and the Master degree and Ph.D., in Electrical Engineering Control Systems, in 1991 and 1996, respectively, from Wayne State University. Mohamad is an IEEE Senior Member: an active member of the SEM Executive Committee for the past 15 years; and serves as the Director of Membership. During 2009-2013 he served as the VTS Chair f. During the period from 2014 to



date, he served as VTS Chapter Vice Chair o. In addition, Mohamad has been a member of the IEEE Region 4 Executive Committee since 2010.



Malcolm Lunn, VTS Chapter Secretary: Malcolm has been an Electrical Engineer in Automotive Electrical Systems for 26 years and holds degrees from MTU (BS), WSU (MS) and UD-M (MS). Malcolm enjoys working with interesting issues/problems and helping with educational programs. Ham radio and automotive electrical projects, among others, are his hobbies. He also serves as an active member of the SEM Education Committee and is one of the team of instructors currently teaching 'Fundamentals of Electricity' at the Dearborn Heights library.

Danil Prokhorov, Chapter Treasurer: Dr. Danil Prokhorov began his career in St. Petersburg, Russia, in 1992. He was a research engineer in the St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences. He became involved in automotive research in 1995 when he was a Summer Intern at Ford Scientific Research Laboratory in Dearborn, MI. He became a Ford Research staff member in 1997 and was involved in application-driven research on neural networks and other machine learning methods. Since 2005 he has been with the Toyota Technical Center, Ann Arbor, MI. He is currently in charge of the Future Mobility Research Department at Toyota Research Institute North America, a TTC division. He has more than 100 papers in various journals and conference proceedings as well as 25 patents. He is honored to serve in a number of capacities including the International Neural Network Society (INNS) President 2013-14, a member of the IEEE Intelligent Transportation Systems Society (ITSS) Board of Governors, the US National Science Foundation (NSF) Expert, and the Associate Editor/Program Committee member of many international journals and conferences.



Chapter 1 Meeting

Meeting: Tuesday, February 17th, 5:30PM - 8:00PM

Topic: Motion Capture and Processing for Autonomous Vehicles and Wearable Technology

This talk covers two applications of embedded signal processing. Modern microcontrollers and single board computers offer significant processing capabilities at low power and in a small form factor. This has enabled the development of various mobile systems performing relatively intensive signal processing and control tasks. In the first part of the talk, applications of embedded image processing towards small spacecraft and drones will be discussed. Real-time image processing onboard small and lightweight platforms promises to provide navigation and attitude (orientation) determination solutions to increase the utility of small spacecraft (Specifically CubeSats, which resemble 10cm cubes), and help integrate drones into the civil airspace by addressing autonomous obstacle sensing and avoidance. In the second part, wearable devices will be discussed, in particular injury prevention and recovery devices based on inertial motion capture and analysis. In the near future, wearable devices have significant potential to improve the lives of workers, athletes, injury patients, and societies in general, and are expected to proliferate and become a common aspect of society.



Speaker: Samir Rawashdeh, Ph.D. (University of Michigan Dearborn)

Samir recently joined the University of Michigan – Dearborn in Fall 2014 as Assistant Professor in Electrical and Computer Engineering. He earned the MS and PhD degrees in Electrical and Computer Engineering at the University of Kentucky in 2010 and 2013, respectively. During his graduate and post-doctoral work at the University of Kentucky Space Systems Laboratory, he took part the design, development, testing, and execution of several aerospace missions, including two satellites and a research platform on the International Space Station. At Dearborn, he is pursuing real-time embedded systems applications, with an emphasis on imaging and motion processing, for autonomous ground and aerial vehicles, transportation systems, and wearable devices.

Location: Institute for Advanced Vehicle Systems Room 2004 4901 Evergreen Drive (to Richard Drive) Dearborn, MI USA 48128-1491

Agenda:5:30PMSet up and socialize6:15PMPresentation7:15PMQuestions

Please Preregister: https://meetings.vtools.ieee.org/meeting_registration/register/31613

Meeting Details: <u>https://meetings.vtools.ieee.org/m/31613</u>

LEADERSHIP SKILLS WORKSHOP

LEADERSHIP SKILLS WORKSHOP

Sterling Inn

34911 Van Dyke Avenue, Sterling Heights, MI 48312 Telephone: (586) 979-1400

Workshop Overview

Leadership is an important engineering tool, and learning to be an effective leader in various environments helps to guarantee your personal and professional success as an engineer. Leadership skills will definitely be part of your career when you are a leader or when you work with others who are leaders.

Leaders have vision and the ability to inspire others to accomplish great things. There are two reasons you will benefit by understanding the principles of leadership. First, you can apply these to leadership opportunities and achieve greater success. And second, you can work more effectively with leaders when you are part of their team. When you learn to be a leader and to work with other leaders you achieve greater success in your career and life.

The Leadership Skills workshop is intended to help participants develop and improve interpersonal, group, team and leadership skills. The workshop is targeted to those in management or leadership roles in business, industry, academia or volunteer organizations. However, anyone interested in further developing these skills in dealing with people and working within any type of organization will benefit from the workshop.

The format for the workshop includes the presentation of the core material and interactive participation; using exercises, case studies and open discussion. Workshop Content

•Leadership •Interpersonal communications •Conflict Management •Problem Solving and Decision Making



DON C. BRAMLETT, PE, SMIEEE, FESD, FMSPE

Don Bramlett received his BSEE and MBA from the University of Detroit. He is a registered Professional Engineer. Don has spent his entire 40 year professional engineering career in the energy industry, 6 years in the natural gas industry, and then 34 years in the power generation segment of the electric utility industry. He is a Senior Project Engineer in Fossil Generation with the DTE Electric Company, a major subsidiary of DTE Energy, where he has overall responsibility for large capital projects at various power plants. Don has presented extensively at IEEE USA conferences and the IEEE Section Congress. Don has conducted many training workshops on leadership and professional skills for the IEEE Southeast Michigan section.

Registration:

Register at the Workshop web site https://meetings.vtools.ieee.org/m/3169

IEEE Members	\$10
Non Members	\$15
Students	FREE

Officer Roster: 2015

With elections concluded and validated by the SEM Executive Committee and with the appointment process well underway, we want to let all our members know of the current status of our 2015 SEM Officer Roster.

Note: What we present here is only a convenient 'snap shot' of the status of the roster as of the most recent update. For the most complete and up to date roster, we encourage you to visit the IEEE SEM Web Page at: <u>http://sites.ieee.org/sem/</u>.

Select the "About SEM button in the top navigation bar, then the "Current Officers" button in the left hand link panel. The download options for the current and past rosters will appear in the central page area for your use.

What follows is a direct reprint of the roster but, with membership grade and phone numbers removed. For the complete list, download the PDF format from the SEM Website.

Executive Committee:

Section Officers	Name	e-mail
Executive Committee:	Officers	
Section Chair *	Robert Neff	rlneff1@gmail.com
Section Secretary *	David Mindham	dmindham@itctransco.com
Section V-Ch. *	Nicholas Langhals	langhals@umich.edu
Section Treasurer *	Praveen Kumar	praveen.kumar@ieee.org
Section Adviser*	Don Bramlett	d.bramlett@ieee.org
Past Section Chair*	Imad Makki	imakki@ford.com
Standing Committees *		-
Affinity Groups *		_
Chapters *		_

* NOTE: The astrick * after the office title indicates a voting element of the ExCom. Their representative is part of the Quorum.

This means that direct participation of the Standing Committees, Affinity Groups and Chapters is required at ExCom meetings in order for the Section to legally conduct business.

The Executive Committee (ExCom) is responsible for leading and coordinating all the activities of the Section through the associated officers that manage our Standing Committees, Affinity Groups, Chapters and Student Branches. Without active cooperation and communication between all the officers at all levels, the system does not function.

Standing Committees:

We currently have 9 active Standing Committees in our Section. Many of these have sub-committees that are as active in their own domain as the 'host' committee. However, for administrative and logistic purposes, it makes sense to align many functions under the banner of a 'parent' committee.

As you scan through the list of the Standing Committees and other Geo-unit officers shown below, you will notice that some have no assigned person as the officer for that function or the same volunteer is filling more than one position. In some cases, the position is listed with a 'Temp' notice beside the office title. In all of these cases, we are in need of someone to fill the empty slot, or take over for the person currently holding down the 'temporary' assignment.

In most cases, we can provide job descriptions, relevant records and on the job mentoring and guidance to help someone settle into new to the position. We have been working to ensure that no single assignment is too demanding and that counseling and mentoring opportunities exist to ensure a smooth transition into the position and initial success to help you off to a comfortable start. If one of the positions is of interest to you, please contact Kimball Williams, Chair of the Nominations and Appointments Committee at: k.williams@ieee.org.

February 1, 2015

Standing Committees	Name	e-mail
Treasurer / Finance:		
Treasurer	Praveen Kumar	praveen.kumar@ieee.org
Assistant Treasurer	Harry Hill	hshill1@yahoo.com
Past Treasurer / Secretary	Kimball Williams	k.williams@ieee.org
Chair Finance Committee	Basil Sherlund	bsherlund@ieee.org
AG Treasurers (All)		
Ch. Treasurers (All)		
Technical Activities:		
Chair	ALI EYDGAHI	aeydgahi@emich.edu
Secretary	Swadhruth Komanduri	swadk23@gmail.com
AGs/Edu/Mgnt Group	Kimball Williams	k.williams@ieee.org
Cmputr & Sys Group	Jeffery Mosley	jmosley@omi.com
Sensing & Msrmnt Group	Joseph Giachino	giachino@eecs.umich.edu
Pwr & Enrgy Group	Pieter Frick	frick@oakland.edu
Education (Sub-Group of Tech A	Act)	
Chair	Chaomin Luo	luoch@udmercy.edu
Temp Secretary	Kimball Williams	k.williams@ieee.org
STEM Programs Coordinator	Malcolm Lunn	lunnmalcolm@me.com
Robfest Coord.	Chan-Jin Chung	cchung@ltu.edu
Future Cities Coord.	Don Bramlett	d.bramlett@ieee.org
Library Science Coord.	Candace Suriano	csuriano254569@comcast.net
Science Fair Coord.	Don Bramlett	d.bramlett@ieee.org
Michigan STEM Liasion	Lin Van Nieuwstadt	linevn@umich.edu
Student Activities:		
Chair	Nevrus Kaja	nkaja@umich.edu
Secretary		
Student Representative *	Samer Koda	skoda@emich.edu
Communications & Marketing:		
Chair - Comm. & Mktg	Ravi Nigam	rnigam154934mi@comcast.net
Secretary		
Electronic Media Communicatio	ns (Sub-Group of Com&M	
Mkting & Publicity Manager	Robert Neff	rlneff1@gmail.com
Collabratec Moderator	Weidong Xiang	xwd@umd.umich.edu
Section Webmaster	Scott Lytle	s.r.lytle@ieee.org
Associate Webmaster		<u></u>
Section Social Media Master	Weidong Xiang	
LinkedIN Page Coord.		
Facebook Page Coord.	Derek Gielarowski	gielardj@udmercy.edu
ListServ Operations Coord.	Kimball Williams	k.williams@ieee.org
OnLine-Community Coord.		
Event Communications and Mar	keting (Sub-Group of Com	
Sponsorships	Rajeev Verma	rajverma@ieee.org
Event Publications	Ravi Nigam	rnigam154934mi@comcast.net
Assistant Event Publications		
Media Relations		-
		-

Standing Committees	Name	e-mail
Print Media Communications (S	ub-Group of Com&Mkt)	
Newsletter Editor	Kimball Williams	k.williams@ieee.org
Associate Editor	Colleen Byerly	colleen.byerly@gmail.com
Newsletter Consultant	James Woodyard	jrwwoodyard@gmail.com
Membership:		
Membership Chair	Mohamad Berri	mberri@ieee.org
Secretary		
Awards Coord.	Mohamad Berri	mberri@ieee.org
Fellows Search Coord.	William Moylan	w.j.moylan@ieee.org
Info. Management Coord.	Kimball Williams	k.williams@ieee.org
New Member Engage. Coord.	Mohamad Berri	mberri@ieee.org
Nominations & Appointments (S	Sub-Group of Membership)	
Chair	Kimball Williams	k.williams@ieee.org
Secretary		_
Elections Coord.		_
Appointments Coord.		_
Section Conferences:		
Chair - Conference Committee	Vishwanatharaju Brahmandhabheri	bvraju212@yahoo.com
Section Secretary	David Mindham	dmindham@itctransco.com
Assistant Section Secretary	Colleen Byerly	colleen.byerly@gmail.com
Spring Conf. Chair1	Randy Boone	rboone1@ford.com
Spring Conf. Chair2	Nevrus Kaja	<u>nkaja@umich.edu</u>
Past Spring Conf. Chair	Hoda Abdel-Aty-Zohdy	zohdyhsa@oakland.edu
Task Leaders per Gantt Chart		_
Fall Conf Chair	Basil Sherlund	bsherlund@ieee.org
Past Fall Conf Chair	Harpreet Singh	hsingh@eng.wayne.edu
Task Leaders per Gantt Chart		_
PACE Act:		
Chair	Basil Sherlund	bsherlund@ieee.org
Secretary		_
PACE Event Coord.		_
Affiliation Act. (Sub-Group of PA	ACE)	
Government Relations		
Academic Relations	Weidong Xiang	xwd@umd.umich.edu
Industrial Relations	Randy Boone	rboone1@ford.com
ESD Liaison	Kimball Williams	k.williams@ieee.org
Cross Section Liaison Chair		
N. Michigan Section Liaison		_
Toledo Section Liaison		_
Windsor Section Liaison		_
W. Michigan Section Liaison		

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Affinity Groups:

Affinity Groups (AG) are distinguished from Chapters in that they do not align with a technical discipline but, rather are organized around a common characteristic of the individuals that make up the group.

- <u>Consultants Network</u> AG is composed of members who earn their living as consulting engineers.
- <u>Life-Members</u> AG is composed of members who's chronological age and their contiguous membership in IEEE totals to 100 or more.
- <u>Women in Engineering</u> AG is composed of those concerned with the needs and interests of women who are in the engineering profession.
- <u>Young Professionals</u> AG is composed of members who are within 15 years of earning their first engineering degree.

Affinity Groups	Name	e-Mail			
Consultants Network Affinity Group (CN40035)					
Chair	Jacob Beningo	jacob@beningo.com			
V-Ch.		_			
Secretary	Ted Huff	ted3141@aol.com			
Treasurer	Harry Hill	hshill1@yahoo.com			
Life Member Affinity Group (LIFE)					
Chair	Harpreet Singh	hsingh@eng.wayne.edu			
V-Ch.	William Moylan	w.j.moylan@ieee.org			
V-Ch.	Ramasamy Uthurusamy	rusamy@yahoo.com			
V-Ch.	Arun Hundiwal	arunhundiwal@yahoo.com			
Secretary	Stephanie Rosenbaum	stephanie@teced.com			
Treasurer	James Woodyard	jrwwoodyard@gmail.com			
Treasurer	Ashok Patel	stan0011@hotmail.com			
Women in Engineering Affinity Gr	oup (WIE)				
Chair	Peng Zhang	dr.peng.zhang@ieee.org			
V-Ch.					
Temp Secretary	Kimball Williams	k.williams@ieee.org			
Treasurer	Stephanie Roth	saroth@oakland.edu			
Young Professionals (YP: formerly GOLD)					
Chair	SHASHANK KAMTHAN	s.kamthan.us@ieee.org			
V-Ch.	Kenji Aono	aonokenj@egr.msu.edu			
Secretary	Ling Zhuang	zhuangling@gmail.com			
Treasurer		_			

Chapters:

Technical Chapters align with one or more IEEE technical societies and maintain a strong relationship with their parent society. Although their existence is fundamentally a geographic one, their primary interests focus on the technologies they represent. When a Chapter encompasses more than one Society we designate that Geo-unit as a 'joint' chapter. Southeastern Michigan has a number of joint chapters where the interests of the members span across more than one technical society and grouping they together is more convenient for member interest and participation in Chapter activities.

Chapters	Name	e-Mail				
CHAPTER 1 (SP01) Signal Proces	CHAPTER 1 (SP01) Signal Processing Soc, (CAS04) Circuits and Systems Soc., and (IT12) Information Theory					
	Jeffrey Dulzo	jeff.dulzo@gmail.com				
V-Ch. (SP Soc.)	William Correll Jr.	william.correll@mdaus.com				
V-Ch. (C&S Soc.)	Selcuk Talay	talays@gmail.com				
V-Ch. (IT Soc.)		_				
V-Ch. Meetings	William Correll Jr.	william.correll@mdaus.com				
Secretary	Joseph Najor	janajor@yahoo.com				
Treasurer						
CHAPTER 2 (VT06) Vehicular Teo	chnology Soc.					
	Eugene Saltzberg	gene.saltzberg@ieee.org				
V-Ch.	Mohamad Berri	<u>mberri@ieee.org</u>				
	Malcolm Lunn	lunnmalcolm@me.com				
Treasurer	Danil Prokhorov	<u>dvprokhorov@gmail.com</u>				
CHAPTER 3 (AES10) Aerospace	and Electronic Systems Soc., and (COM	19) Communications Soc.				
Chair		_				
V-Ch. (AE Soc.)		-				
V-Ch. (Com Soc.)		-				
Secretary	Dmitry Dukhan	<u>ddukhan@cisco.com</u>				
Treasurer		1				
CHAPTER 4 "Trident" (AP03) AP	03 Antennas and Propagation Soc., (ED	15) Electron Devices Soc., (MTT17)				
Chair	Lora Schulwitz	<u>schulwitz@ieee.org</u>				
V-ChTech (AP Soc.)		agrbic@umich.edu				
V-ChTech (ED Soc.)		blpeters@umich.edu				
V-ChTech (MTT Soc.)		linevn@umich.edu				
V-ChTech (Photonics Soc.)		<u>sleee@umich.edu</u>				
-	Brian Tierney	<u>btierney@umich.edu</u>				
Treasurer		liuyangz@umich.edu				
Webmaster						
CHAPTER 5 (C16) Computer Soc						
	Subramanian Ganesan	ganesan@oakland.edu				
	Utayba Mohammad	utayba@gmail.com				
	Shadi Bani Taan	banitash@udmercy.edu				
V-Ch:	Jesus Salvador Almanza Garcia	<u>salmanza@ieee.org</u>				
	Ramasamy Uthurusamy	rusamy@yahoo.com				
	Nizar Alholou	alholoun@udmercy.edu				
	S Ramesh	rameshari1958@gmail.com				
	Basil Sherlund	<u>bsherlund@ieee.org</u>				
Webmaster	Mark Ciechanowski	mark.ciechanowski@ieee.org				

February 1, 2015

CHAPTER 6 (GRS29) Geosciences and R	emote Sensing Soc.	
Chair	Adib Nashashibi	nuha@umich.edu
V-Ch.	David D Chen	ddchen@umich.edu
	Leland Pierce	lep@umich.edu
Treasurer	Michael Benson	michael@mrealm.com
CHAPTER 7 (PE31) Power Engineering S		ns Soc.
Chair	lan Hutt	ianhutt@hotmail.com
V-Ch. Tech. Act.		
V-Ch. (Pwr Eng.)	David Mindham	dmindham@itctransco.com
V-Ch. (Ind. Appl.)		
	Michael Fleck	fleckmc@gmail.com
	Chris Nelson	canelson@cai-engr.com
CHAPTER 8 EMC (EMC27) Electromagne		
	Scott Lytle	s.r.lytle@ieee.org
V-Ch. Prof. Act.		akiofujimaki@ieee.org
	Candace Suriano	csuriano254569@comcast.ne
	Candace Suriano	csuriano254569@comcast.ne
	Scott Lytle	<u>s.r.lytle@ieee.org</u>
V-Ch. Marketing		rlneff1@gmail.com
	Steve Tomba	steve@delta-llc.com
	Matthew Feusse	matt@emcsociety.org
CHAPTER 9 (IE13) Industrial Electronics		onics Soc.
	Sergey Gladyshev	<u>sgladyshev@yahoo.com</u>
V-Ch. (Ind.Elect.)		yys@alum.mit.edu
V-Ch. (Pwr. Elect.)		wencong.su@gmail.com
	Rami AbouSleiman	rdabousl@oakland.edu
	YANKUN ZHAO	ykzhao@umich.edu
CHAPTER 10 (TM14) Technology Manage		ering Management Soc.)
Chair	Mark Robinson	mark.robinson@koiosgroupllc.com
V-Ch.	Robert Reynolds	reynolds@cs.wayne.edu
Secretary		
Treasurer		
CHAPTER 11 (EMB18) Engineering in Me	dicine and Biology Soc.	
Chair	Nicholas Langhals	langhals@umich.edu
V-Chair	Maurice Snyder	mfsnyder@ieee.org
	Vijaya Nagesh	vijaya.nagesh@gmail.com
Treasurer	Ling Zhuang	zhuangling@gmail.con
CHAPTER 12 (CS23) Control Systems So	c.	
Chair	Rajeev Verma	rajverma@ieee.org
V-Ch.	Mohamad Berri	mberri@ieee.org
Secretary		
Treasurer		
CHAPTER 13 (E25) Education Soc.		
Temp Chair	Kenji Aono	aonokenj@egr.msu.edu
V-Ch.		
Secretary		
Treasurer		
Continued:		•

CHAPTER 14 (RA24) Robotics And Auton	nation Soc.	
Chair	Javier Alcazar	javiergol@gmail.com
V-Ch.	Jeffery Mosley	jmosley@omi.com
V-Ch.	Chaomin Luo	luoch@udmercy.edu
Secretary	Jonathan Berent	jon@jonandangie.com
Treasurer	Chan-Jin Chung	<u>cchung@ltu.edu</u>
CHAPTER 15 (XXXXX) To be filled later.		
Chair		
V-Ch.		
Secretary		
Treasurer		_
CHAPTER 16 (CIS11) Computational Intel		Man and Cybernetics Soc.
	Chaomin Luo	luoch@udmercy.edu
V-Ch. (Cl Soc.)		hafiz@umd.umich.edu
V-Ch. (SMC Soc.)		dvprokhorov@gmail.com
	Ling Zhuang	zhuangling@gmail.com
	Xiangdong Che	xche@emich.edu
CHAPTER 17 (NANO42) Nanotechnology		
	Randy Boone	rboone1@ford.com
	Junghoon Yeom	jungyeom@gmail.com
Secretary	Wen Li	<u>wenli@egr.msu.edu</u>
-	Amar Basu	abasu@eng.wayne.edu

'Notice Chapter 15 was Systems, Man and Cybernetics Society but, it was considered a better match to combine it with the existing Chapter 16 (Computational Intelligence) thus forming the current 'joint' Chapter 16.

Student Branches:

IEEE Student Branches are aligned with a specific institution of higher learning, normally a University. Their 'parent' and primary support is the University but, their technical interests and alignments may range over all the IEEE Affinity Groups and Technical Societies. We advise our Chapters and Affinity Groups to interact with our Student Branches often and seek to establish close ties as your experience and wisdom about the 'real life' engineering working world can bring invaluable lessons to our student members.

Student Branches	Name	e-Mail			
University Of Detroit-Mercy (STB00531)					
Chair					
Faculty Adviser	Chaomin Luo	luoch@udmercy.edu			
Mentor	Don Bramlett	d.bramlett@ieee.org			
Michigan State University (STB01111	1)				
Chair		_			
Faculty Adviser	Premjeet Chahal	prem c1@yahoo.com			
Mentor	Shiu Chan	michaelshiuchan@gmail.com			
Mentor	Philip Fanson	emcplf@fnwusers.com			
University Of Michigan-Ann Arbor (S	TB01121)				
Chair		_			
V-Ch.		_			
Secretary		_			
Treasurer		_			
Faculty Adviser	Kim Winick	winick@eecs.umich.edu			
Mentor		_			
Mentor	Gregory Berman	gmberman@umich.edu			
Wayne State University (STB02251)					
Chair	Vincent Mann	vincedamann@gmail.com			
V-Ch.		_			
Treasurer	Alycen Wiacek	eh1243@wayne.edu			
Secretary	Lorenzo Scales	ar8540@wayne.edu			
ESFB Rep.		_			
Seminar Coordinator		_			
Computer-Admin.		_			
Webmaster	Daniel Wilcox	daniel.d.wilcox@gmail.com			
Senator	Prince Dhaliwal	dhaliwal153@gmail.com			
Advisor		_			
Faculty Adviser		_			
Mentor	Randall Safier	rmsafier@wowway.com			
Lawrence Technological University					
Chair	Aaron Clark	aclark1@ltu.edu			
Faculty Adviser	Kun Hua	streadmill@163.com			
Industrial Mentor	Benjamin Sweet	<u>bsweet@ltu.edu</u>			
Industrial Mentor	Donald Price	<u>d_price@ieee.org</u>			

Oakland University (STB06741)		
Chair	Asma Elj	elj.asma@gmail.com
Secretary	Apurva Kadam	apk313@gmail.com
Treasurer 1	Hatem Elgothamy	hoelgoth@oakland.edu
Treasurer 2		_
VC - Tech Activities 1		_
VC - Tech Activities 2	Amar Sahib	atsahib@oakland.edu
VC Social Activities	Britni Reese	britniareese@gmail.com
Faculty Adviser	Hoda Abdel-Aty-Zohdy	zohdyhsa@oakland.edu
Industrial Mentor	David Mindham	dmindham@itctransco.com
Industrial Mentor	Michelle Knight	knight@youngbasile.com
Faculty Mentor	Daniel Aloi	<u>aloi@oakland.edu</u>
Faculty Mentor	OSAMAH	osamah.rawashdeh@gmail.com
	RAWASHDEH	
Eastern Michigan University (STB11		
Chair		e-ada@hotmail.com
Secretary	Hayley Myron	h.myron1@gmail.com
V-Ch.	Misbah Javed	misbahjaved881@gmail.com
Treasurer	Omar Shaikh	oshaikh@emich.edu
Faculty Adviser	Ali Eydgahi	aeydgahi@emich.edu
Mentor		
ITT Technical Institute-Troy (STB375	22)	
Chair		
Faculty Adviser		
Mentor		
University Of Michigan-Dearborn (ST		
Chair		rathwell.jordan@gmail.com
V-Ch.	Hussein Berry	<u>berryhh@umich.edu</u>
Treasurer	-	<u>nkaja@umich.edu</u>
Secretary	Abhilash Reddy	alingala@umich.edu
	Lingala	
Webmaster	Anthony Fox	foxantho@umich.edu
Recruiting	Mina hadi 7 ha a	
Professional Act. Coordinator	Xiaohui Zhao	zhaoxhts@gmail.com
Social Act. Coordinator	Ahmad Hamdoun	ax.hamdoun@gmail.com
Faculty Adviser	M Shridhar	mals_97@yahoo.com
Mentor	Kimball Williams	k.williams@ieee.org

Amateur Radio License Classes:

Amateur Radio License Classes (Ham Radio)



Monday Evenings at Caroline Kennedy Library 6:30 pm until 8:30 pm <u>March 2, March 16, March 30, April 6, and April 20.</u>

These free classes are offered by the *Motor City Radio Club* and will help teens and adults who wish to prepare for the Amateur Radio License Examination.

On May 9 all students are invited to take the MCRC bi-monthly License Examinations in Taylor, MI. (The license examination fee is \$15.00 paid at the exam site on the day of the exam.)

We will be using *The No-Nonsense Technician Class License Study Guide* by Dan Romanchic.

It is a free download of 58 pages in PDF format available at <u>www.kb6nu.com</u>. Printed copies will be available at cost of \$6.00.

The ARRL license guide can also be purchased from the instructor at a cost of \$22.50.

REGISTRATION IS REQUIRED,

Stop at the Library Circulation Desk or call (313) 791-3802

Library Science (STEM) Classes:

Volunteer IEEE Instructors and eager 3rd to 5th grade students gathered for the first in a series of 'STEM' classes focusing on the "<u>Fundamentals of Electricity</u>" on Monday January 12, 2015 at 7PM at the **Caroline Kennedy Library in Dearborn Heights, MI**.



Jim Moir, Library Staff, sports his Dilbert tie for our camera.

Instructors, Malcolm Lunn, Jaye Yang and Maoxu, Liu left to right looking calm before class.



These are hands-on workshops about electricity and electronics for children. Engineers from the IEEE are working with small groups. There are 9 sessions planned. Major class topics are shown below.

Before each class, students are requested to review an 'on-line' introduction to the material to be covered at each lesson in order to support an initial 'review' of the materials high points and provide for a Q&A session.



Then the "Hands on" portion of the event is conducted 'with experiments' intended to demonstrate the theory and give the students a 'feel' for what the theory really means.

Due to the nature of the topics and the need for group compatibility, these free workshops are limited to children in grades 3, 4, & 5.

Things can get a little 'wild' such as when all the students are engaged in learning about static electricity and how it causes a charge to remain on an insulated closed surface and the effect of opposite charges causing the two charged bodies to attract one another.

Needless to say, this experiment was greeted with great (and noisy) enthusiasm by all the students.

Class Schedule:

January 12, 2015 (Basics of Static Electricity) January 26, 2015 (Direct Current and Batteries) February 9, 2015 (Direct Current circuits and components) February 23, 2015 (Permanent Magnetics and magnetic fields) March 9, 2015 (Electromagnetics and magnetic forces) March 23, 2015 (Frequency, Alternative Current and Electrical Safety) April 13, 2015 (Radio Frequency and Crystal radios) April 27, 2015 (Resonance and resonant circuits) May 11, 2015 (Radio Astronomy)

[IEEE SEM - WAVELENGTHS]

Jaye tries to decipher the instructions for one of the library experimentation kits, with advice from students. Each of the students, of course, must 'lend a hand' and try every switch, connection post, wire and component. No one was sure where they were going but, all were determined to get there.



One of our parents bravely tackles the job of helping students with their experiments with a 'lemon battery'. Despite everything, most students began to understand the effects of metal valence on resulting voltages, and that lemon juice is really, really sour.

On the bright side, cleaning up the lab with a paper towel was very easy.

The library's specialist in children's activities, "Mister Jim" takes it all in stride as he and some students determine that two years of activity with this 'Kit' have resulted in so much deterioration that we need to consider a replacement.

Notice the Lime battery near the box on the table. The most we had time for was measuring voltages on different metal combinations. Next time we can try to light up a small LED.

Drop by and visit if you have the chance. Visitors are always welcome. '



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[IEEE SEM - WAVELENGTHS]

Standards Activities:

A recent gathering of the "Experts" in Electromagnetic Compatibility (EMC) attended a meeting of the US Working Groups for EMC, EMR and EMI. The SAE Automotive Headquarters in Troy Michigan hosts this, and other standards gatherings on a regular basis.

The 11 experts seen here were augmented by another 8 who dialed in and contributed to the meetings work via teleconference and WebEx connections.

This group represents the elite of this technical discipline, and represents most of the Southeastern Michigan OEM and Supplier companies, as well as local universities.



Future Cities Judging:



After completing their judging duties, the IEEE team enjoyed a 'networking' lunch and relaxed before heading back to their regular employment. From left to right, around the table were:

- Charles Cohen: Cybernet,
- Lawrence Dishpan: WSU,
- Don Bramlett: DTE Energy,
- Ralph Mackiwiez: Cisco,
- David Moris: MITRE,
- William Quinian: Am Axel, and
- James Rofe: DTE Energy.

Winners of **the IEEE Special Award** at this year's Future Cities judging on January 26th were students from the <u>Crescent Academy, Team 1</u> from Canton, MI. Judges were impressed by the evident careful consideration that this team placed on all aspects of the program, and the thoroughness of their answers to guestions. Congratulations for the Crescent Academy and their Mentors.



[IEEE SEM - WAVELENGTHS]

Governor Signs Antenna Bill into Michigan Law:

ARRL Bulletin 2 ARLB002 From ARRL Headquarters Newington CT January 16, 2015 To all radio amateurs

SB OST ARL ARLB002

ARLB002 Michigan Passes, Governor Signs Antenna Accommodation Legislation

Ten years of work within the ARRL Michigan Section have culminated in an Amateur Radio antenna bill that mirrors "reasonable accommodation" the provisions of the PRB-1 federal preemption policy. Michigan Gov. Rick Snyder signed the measure, Senate Bill 0493, into law on January 15, creating Public Act 556. Senator Rick Jones sponsored the bill. ARRL Michigan Section Manager Larry Camp, WB8R, said Michigan is the 31st state to have a PRB-1 bill on its books.

"The current PRB-1 Team has been working for 3 years to get this accomplished," he said. "Our bill endured four votes on its way to becoming law -Senate and House committees and the Senate and House floors.

Each vote was unanimous."

The most pertinent language in the new Michigan law, which comes directly from Part 97.15 of the FCC Amateur Service rules, states:

"An Amateur Radio Service station antenna structure may be erected at heights and dimensions sufficient to accommodate Amateur Radio Service communications. Regulation of an Amateur Radio Service station antenna structure by a local unit of government must not preclude Amateur Radio Service

communications. Rather. it must reasonably accommodate those communications and must constitute the minimum practicable regulation to accomplish the local unit of government's legitimate purpose."

The new law also provides for an advisory committee that may be established jointly by the Michigan Section and other state organizations, such as the Michigan Municipal League and the Michigan Township Association. Camp said the advisory board could become involved at the request of the amateur, the community, zoning board, or representative associations as required. "The purpose of having the Michigan Section and the ARRL named specifically," Camp said, "is to ensure that the technical information that the advisory committee receives is accurate and pertinent to the questions at hand."

"The Michigan Section of the ARRL will be available to provide information and training as an ongoing educational effort for communities and their representative organizations," Camp added.

Camp said the PRB-1 Team believes the advisory committee will be an important tool in situations when community officials know little or nothing about Amateur Radio. "We will be able to provide accurate information and support from the ARRL, as required," he said. "This committee will help explain the reasons why radio amateurs need to have antennas in the air in order to communicate in an emergency."

The new law also echoes federal requirements that owners of certain Amateur Radio antenna structures extending more than 200 feet above ground level at the site or that are located near or at an airport must notify the Federal Aviation Administration and register with the FCC.

In addition to Camp and ARRL Great Lakes Director Dale Williams, WA8EFK - who served as an advisor - Michigan PRB-1 Team members included State Government Liaison Ed Hude, WA80JE: Local Government Liaisons Butch Hedges, KD8NKJ, and Hal Thomas, N8HAL; Webmaster Jay Nugent, WB8TKL; Legal Advisor Raoul Revord, W8RDR, and Public Information Officer Pat Mullet, KC8RTW.



Other' Coming Events

We always try to publish IEEE events in several places to ensure that everyone who may want to attend has all the available relevant information.

SEM Web Calendar:

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

Select '<u>SEM Calendar</u>' button in the website top row.

SEM Web Meetings:

http://sites.ieee.org/sem/ Select '<u>SEM Meeting List</u>' in the

vTools Meetings:

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

Select '<u>Schedule a Meeting</u>' from the left hand column of buttons.

Other 'Happenings'':

However, since IEEE members tend to have .eclectic interests, we want to give everyone a 'heads up' for some of the <u>non-IEEE events</u> that we feel may be of interest.

What follows are not IEEE sponsored events but, may prove of interest to many of our members. For example, on the following page we announce three locations for classes to help you earn your Amateur Radio License. Many Electrical Engineers began their early interest in electronics through

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Amateur Radio, and we have seen a number pursue this activity later in life when their career decisions have settled down.

If you have a special interest in a field that encourages technical study and learning, and wish to share opportunities for participation with the rest of the Section membership, let us know event particulars, and we will do what we can to 'spread the word'.

Links:

Below are a few internet links to local SEM Clubs engaged in technical hobbies or links to sites that will let you locate clubs close to you.

Amateur Radio Clubs in South East Michigan

(This is a fairly comprehensive listing of all the 'Ham' clubs in SEM.)

http://www.wa2hom.org/hamradio-clubs-in-se-michigan/

Model RC Aircraft:

http://www.skymasters.org/

Model Rocketry: http://team1.org/

Astronomy:

http://www.goastronomy.com/astro-clubsstate.php?State=MI

Experimental Aircraft Association:

https://www.eaa.org/en/eaa/eaachapters/find-an-eaa-chapter

Robots:

http://therobotgarage.com/about -us.aspx

Science Fiction Conventions:

<u>Great Lakes Comic Expo</u> Feb. 28,2015 <u>www.greatlakescomiccon.org</u>

Fantasticon Toledo April 11-12, 2015 www.fantasticon.net

Mad Science: http://www.madscience.org/

ESD PE Review Class: www.esd.org

[IEEE SEM - WAVELENGTHS]

Amateur Radio Classes

Southfield Classes – All License Grades:

The <u>Technician Class</u> amateur radio license Mondays, February 9, 2015 to April 27, 2015—7pm to 9 pm

> Lawrence Technological University 21000 West ten mile rd. Southfield, MI 48075 Engineering building E-200

Costs:

Instruction is free / License manual is \$25, available from the instructor / FCC exam fee (at final session): \$15 ***limited room! **Pre-registration is necessary**, by December 29*** Instructor: Ron Miotke, wd8mnx (<u>Hazel Park Amateur Radio Club</u>) Contact: Jerry Begel, HPARC Education Coordinator. W9npi@arrl.net

Dearborn & Dearborn Heights Technician Classes:

Monday Evenings at Caroline Kennedy Library6:30 pm until 8:30 pm

March 2 / March 16 / March 30 / April 6, and April 20.

These free classes are offered by the *Motor City Radio Club* and will help teens and adults who wish to prepare for the Technician Amateur Radio License Examination.

Caroline Kennedy Library 24950 George Street Dearborn Heights, MI 48127 Phone: 313-791-3800 Web dhcl.michlibrary.org

On May 9 all students are invited to take the MCRC bi-monthly License Examinations in Taylor, MI. (The license examination fee is \$15.00 paid at the exam site on the day of the exam.)

We will be using *The No-Nonsense Technician Class License Study Guide* by Dan Romanchic. It is a free download of 58 pages in PDF format available at <u>www.kb6nu.com</u>. Printed copies will be available at cost of \$6.00.

The ARRL license guide can also be purchased from the instructor at a cost of \$22.50.

REGISTRATION IS REQUIRED,

Stop at the Library Circulation Desk or call (313) 791-3802

SMArT Detroit Mentors:

Inspire High School Students: Become a Mentor for The Engineering Society of Detroit (ESD) Engineering SMArT Michigan Program

What is Engineering SMArT Michigan?

ESD's Engineering SMArT Michigan program is a rigorous, hands-on science, math, architecture and technology (SMArT) project in which high school students <u>design energy-efficient homes</u>.

Through a series of learning modules, students will be introduced to the basics of energy, alternative energies, and the energy grid, in an atmosphere of fun activities and team building. They will apply these concepts to create real-life solutions by working in teams to design a house. The culmination of the program is a presentation of their team-designed house at a competition between all participating schools where they will vie for scholarships and other prizes.

What role do mentors play?

Volunteer mentors are a critical element to the success of the program and are needed to help teach and coach in the classroom. There are two groups of mentors - Energy Module and Presentation Module.

What is the time commitment for a mentor?

The 15 week program gets underway in late January and finishes up in late May at the competition. Energy Module mentors are asked to teach a minimum of one class period per week for two weeks. Presentation Module mentors are assigned to a school and asked to teach a minimum of one class period per week for eight weeks. Efforts will be made to schedule multiple Presentation Module mentors at each school in order to ensure at least one mentor is in the classroom each week. Mentors can volunteer for one or more schools.

Interested in mentoring?

For more information on mentoring or to volunteer, contact Jasmine Sisson, PE, at sisson@pbworld.com.

[IEEE SEM - WAVELENGTHS]

Michigan Robotics Day:

National Center for Manufacturing Sciences Collaboration That Works

2015 Michigan Robotics Day

SAVE THE DATE!

Thursday April 9, 2015- Ann Arbor, Michigan

SPACE IS LIMITED -> <u>REGISTER NOW!</u>

Please join us at the North Campus Research Complex (NCRC) for an event co-hosted by the National Center for Manufacturing Sciences (NCMS) and the University of Michigan.

This free event (<u>registration required</u>) is open to all ages and has been recognized as the premier national event celebrating National Robotics Week.

Come experience the cutting-edge advances made by Michigan robotics' companies and research organizations, hear from leading minds in the field, and see how students at the collegiate and high school levels are involved with these exciting new technologies!

- Demonstrations
- · Hundreds of flying, rolling, and swimming robots
- · Breakout sessions for educators and industry

Interested in exhibiting? please contact philc@ncms.org

http://www.mirobotics.org/ Follow us on Twitter @MiRobotics Like us on Facebook #miroboday

Location: University of Michigan- North Campus Building 18, North Campus Research Complex 2800 Plymouth Rd. Ann Arbor MI, 48105

Sender Information

To be removed from future mailings please reply with "unsubscribe all" to be removed from ALL NCMS mailings.

National Center for Manufacturing Sciences 3025 Boardwalk Ann Arbor, MI 48108 ©2015 National Center for Manufacturing Sciences, Inc.

Executive Committee

The SEM Executive Committee is the primary coordination unit for Southeastern Michigan (SEM) IEEE operations. The basic organization chart below shows the 2015 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.

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If you wish to attend, or just monitor the discussions, please contact David Mindham, the Section Secretary at: <u>dmindham@ieee.org</u> 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:

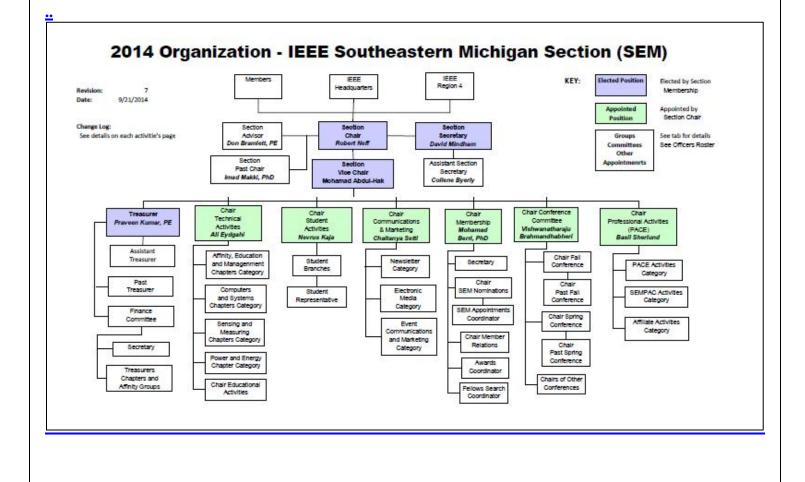
Most of our members maintain memberships in one or more of the IEEE Technical Societies, which automatically makes them members of the local Chapter which is affiliated with that Society. As a result, they should receive notices of those meetings each month.

However, most of our members are not 2dimensional 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: <u>http://sites.ieee.org/sem/</u> 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



[IEEE SEM - WAVELENGTHS]

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: <u>All</u> IEEE meetings are <u>'Open'</u> 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/mai

<u>n</u>

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

Teleconference Schedule

(held from 12-1 PM): • Feb. 4, 2015

• March 5, 2015

F2F Meeting Schedule: • April 8, 2015

More information for the f2f meetings will be sent out as the dates are approached. Keep in touch via the SEM Web site (<u>http://sites.ieee.org/sem/</u>) 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 "<u>SEM Calendar</u>" **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 a 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

[IEEE SEM - WAVELENGTHS]

Editors Corner

This is the 2^{nd} 2015 issue of the Wavelengths newsletter.

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

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

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:

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...<u>hint!</u>

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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	- Stills							
<u>Month</u>	<u>AG's</u>	<u>Ch's</u>	<u>Ch's</u>	<u>SB's</u>	Specal Notice	Reporting Events	Monthly Focus	<u>Awards</u>
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
Мау	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:

<u>Month</u>	Profiles	Profiles	<u>Committees</u>
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	



Wavelengths is published monthly as the official organ of the IEEE Southeastern Michigan Section.

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 "I" button under the top row.)

SEM LinkedIN Page

(Select the "in" button under the top row.)

SEM Officers:

For a complete listing of all - Section - Standing Committee -Affinity Group - Chapter and Student Branch <u>officers</u>, 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 Nicholas Langhals

Section Treasurer Praveen Kumar

Section Adviser Don Bramlett

Chair Communications & Marketing Ravi Nigam

Chair Conferences Raju Brahmandhabheri

Chair Educational Activities Chaomin Luo

Chair Finance Basil Sherlund

Chair Membership Mohamad Berri

Chair Nominations Kimball Williams

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Leadership Meetings

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

• 1st Wednesday or Thursday of Each Month @ Noon

Check the Section Web Calendar at: <u>http://sites.ieee.org/sem/</u> (Select the "SEM Calendar" button in the top row.)

SEM Executive Committee Monthly Teleconferences:

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 <u>http://sites.ieee.org/sem/</u> (Select the "SEM Calendar" button in the top row)

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 Registration for all at: <u>https://meetings.vtools.ieee.org/main</u>

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