



IEEE Rochester Section

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June Newsletter, 2016

<http://rochester.ieee.org>

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Message from the Chair

The summer is here! April was a busy month for the Rochester IEEE Section. We hosted the Joint Chapters Meeting on April 19th which brought together > 80 members and friends. Many thanks to those that were instrumental in setting up the meeting including: Dave Krispinsky, Ray Ptucha, Bill Fowlkes, Jean Kendrick, Wendi Heinzelman, Bo Yuan, Cristian Linte, Emmett Ientilucci, Bruce Smith, Nate Cahill, and Paul Lee. I would also like to thank all of the terrific speakers we had at the meeting including: Barry Silverstein, Aaron Gerace, Michele Rossi, David Holmes, Lee Loomis, Jon Kriegel, Vladimir Mitin, Linwei Wang, Jean Kendrick, Parsian Mohseni, George Blasiak, and Joe Manico. Three PDH credits were offered for three of the presentations! Finally, Congratulations to RIT Graduate Student Member Shagan Sah who won the student poster contest with his work entitled: "A Graph Theoretic Approach to Deep Learning."



On April 21st, the Rochester Section sponsored the E³ Engineering and Technology Fair. This is a fair that is targeted towards increasing interest in engineering and technology to middle school students. The Rochester Section takes great pride in sponsoring the event and regularly provides a booth for students to visit. A special thanks goes to Joe DeVita and Alex Loui this year for all of their efforts in helping to make our contribution a success!

In addition, the Rochester Section sponsored a track within the 2016 Engineering Symposium on April 26th. Dave Krispinsky ran the IEEE-sponsored track. Six PDH credits were offered for the following six presentations:

Robert Moses, "Niagara Power Project, Operation - Upgrades - Issues"

Scott Edwards, "Building Automation Systems in 2016"

Taylor Rightmire, "Understanding Tunable White Light"

Yossi Nygate, "Software Defined Networks The Future Telecommunications"

Ram Dhurjaty, "Standards in Medical Devices - Defibrillators & ECG's"

Martin Cox, "Introduction to the Technical and Safety Aspects of Cable Bus"

That's all for now! I hope to see you at a future IEEE meeting! All my best,

26th edition of the Annual RES E3 Engineering and Technology Fair

IEEE Fellow Alex Loui provided the following report on the fair which took place on Thursday April 21st at R.I.T.'s Clark Gymnasium. This year, the IEEE Rochester Section's exhibit dealt with product safety and root cause analysis. The presentation featured a popular consumer product that is marketed as Hoverboards, but more formerly known as a Self-Balancing Scooters. Topics covered theory of operation, teardown of major components, construction issues and the newly released UL 2272 certification. IEEE Senior Member, Joseph DeVita engaged the students in the application of the "5 Whys" method of root cause analysis by persistently unpeeling the symptom layers of Hoverboard fire incidents. The students were encouraged to use the technique to expand their scientific method and (playfully) enrich their social interactions with adults, family and friends."

Pictures from the Joint Chapters Meeting (April 19th)



Greg Gdowski, Barry Silverstein (Keynote speaker) and David Krispinsky.



STEMS Speakers: Joe Manico and George Blasiak, with Paul Lee.



Life Group Speaker: John Kriegel with Greg Gdowski.

Save the date!

STRATUS 2016 Workshop: Systems and Technologies for Remote Sensing Applications Through Unmanned Aerial Systems



Overview

The emergence of low-cost and easy-to-use Unmanned Aerial Systems (UAS), commonly referred to as drones, has led to an explosion of their use for numerous applications. In particular, these new platforms have enabled new imaging and earth remote sensing technologies and applications previously unavailable due to the high cost of manned aircraft or satellites. This workshop will bring together academics, industry representatives, and domain specialists to share perspectives on this rapidly evolving topic.

Topics (UAS-Related)

- 3D and Multi-view Imaging
- Analysis Techniques
- Applications
- Technologies
- Imaging Systems
- Platforms
- Sensors
- Sensors

Where / When

Date: October 28, 2016 **Time:** 8:00am - 5:00pm **Location:** [Louise Slaughter Hall](#), RIT, Rochester, NY

Full 4-page paper or abstract submission opens: **Monday, September 12, 2016**

<http://ewh.ieee.org/r1/rochester/grss/STRATUS2016/>

Rochester Section Excom meeting Tuesday, June 7 12:00-1:00PM

Location: Hibachi Sushi Buffet, OfficeMax South Town Plaza, 3333 W Henrietta Rd, Rochester, NY

If you are looking for a cheap lunch (\$5 for members and \$3 for students), join us for the next monthly Rochester Section IEEE Executive Committee meeting. All current and prospective IEEE members may attend! Please join us to learn more about the Society and how you may contribute.

<https://meetings.vtools.ieee.org/m/37450>

Membership news

In the last few months our membership has increased significantly! We have added 15 Members and 10 additional Graduate Student Members since March! IEEE sets recruitment goals for us each year, and thus far we are at 91% of our goal! We are currently ranked 2nd amongst all sections in R1 in meeting our recruitment goals!

The Rochester Section welcomes the following new members: Vijay Akella, Vipin Cholleti, Sean Evans, Gui Gui, Christopher Neusatz, Jennifer Schneider, and Martin Zand.

IEEE Grade Description	Members
Associate Member	15
Fellow	16
Graduate Student	93
Life Fellow	12
Life Member	94
Life Senior	33
Member	478
Senior Member	95
Student Member	61
Total	897