



IEEE Rochester Section

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January Newsletter, 2017

<http://rochester.ieee.org>

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Chapter Announcements

Congratulations to the new Fellows in the Rochester Section.



Sandhya Dwarkadas, PhD

Professor of Computer Science
Professor of Electrical and Computer Engineering
Department of Electrical and Computer
Engineering at the U of R

Robert Boyd, PhD

Professor of Optics
Professor of Physics
School of Engineering & Applied Sciences – U of R

For more information visit: <http://sites.ieee.org/r1/2016/12/01/29-r1-members-elevated-ieee-fellows-2017/>

Region 1 Award Recipients:

Alexander C. Loui (IEEE Fellow) – Received Technical Innovation Award for *Significant contributions and technical leadership in multimedia and computer vision algorithms research and development.*

Wendi B. Heinzelman (IEEE Fellow) – Received Teaching Excellence Award for *Outstanding support and leadership of the University of Rochester IEEE Student Branch.*

IEEE College Scholarship – DEADLINE EXTENDED Until January 20, 2017!!

The Rochester IEEE Section offers two \$1,500 annual scholarships to undergraduate IEEE members, or children of a member in Rochester, who is in an ABET-accredited engineering school. Or, to any student from an ABET-accredited engineering school within the Rochester Section.

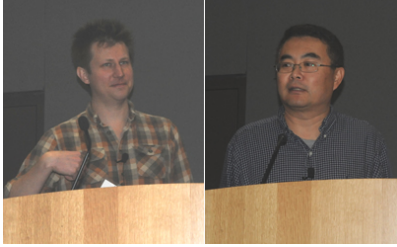
For details information, visit: <http://www.roceng.org/page-1702084> - Or go to <http://sites.ieee.org/rochester/files/2016/12/EIII-Scholarship-Application-2017.pdf>

The application process is very simple – **apply today!**

The Rochester Section – Section Officers open

The IEEE Rochester Section is currently seeking candidates for all roles, Chair, Vice Chair, Treasurer, and Secretary, within the section. Please consider contributing your talent to the Rochester Section by serving on one of the positions. Interest candidates can contact either Ray Ptucha (rwpeec@rit.edu) or Cristian Linte (calbme@rit.edu)

Rochester Section – WNYISPW 2016



The 19th Annual IEEE Western NY Image and Signal Processing Workshop was held on Fri, Nov 18th at RIT. 120 folks from academia and industry gathered to share their technical knowledge.

Two keynotes: Jason Yosinski (Cornell grad/ Startup Entrepreneur) and Jiebo Luo (UofR professor/inventor).

Two industry tutorials on deep learning by NVIDIA and Mathworks.

Six invited speakers: Dr. Zhiyao Duan, University of Rochester; Dr. Nathan Cahill, Rochester Institute of Technology; Barton Fiske, NVIDIA; Dr. Christopher Kanan, Rochester Institute of Technology; Neeti Narayan, SUNY Buffalo; and Shagan Sah, Rochester Institute of Technology. The conference had 31 submitted papers, 19 posters with 7/12 papers being accepted for publication to IEEE Xplore.



Best paper: “A Local Linear Fitting Based Matting Approach for Accurate Depth Upsampling” **Yanfu Zhang, Li Ding, and Gaurav Sharma, U of R**

Best poster: “FPGA-based Convolution Neural Network Acceleration” **Felipe Petroski Such, Luke Boudreau, RIT**



L1-norm Principal-Component Analysis: New Options for Outlier-resistant Signal Processing and Learning – Dr. Panos P. Markopoulos

In August 2013 Dr. Markopoulos received the Best Paper Award of the 10th IEEE International Symposium on Wireless Communication System for the paper “Some option for L1-subspace signal processing.”

This event was held at the U of R on November 30, 2016, with 30 people attended.

40th IEEE EDS Activities in Western New York Conference on November 4 at RIT



The focus of this conference is to bring engineers and researchers together to share information on a wide variety of topics related to microelectronic devices and systems. The

conference will be a joint event technically co-sponsored by the Electron Devices Society and the Photonics Society of the IEEE Rochester Chapter. Michael Shur, Rensselaer Polytechnic Institute – “Physics and limiting mechanism of ultrafast response of field effect transistors”; Yiquan Wu, Alfred University – “Optical and photonic transparent ceramic materials”; Shadi Shahedipour-Sandvik, SUNY Polytechnic Institute; Siddharth Rajan, Ohio State University.

It was a successful conference with 30 IEEE members in the total of 45 people attended.

Rochester Section EXCOM meeting

January 10, 2017 @ 12:00 - 13:00

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. We are always looking for new members and volunteers. **Location: Jade Garden Buffet in South Town Plaza 3333 W. Henrietta Rd, Henrietta, New York. Please visit our website to see more upcoming events!**

<http://events.vtools.ieee.org/m/37455>