



IEEE Dayton Section Awards Banquet

April 12, 2014

Charity Earley Auditorium, Sinclair Ponitz Center

Agenda:

- 5:30 - 6:30: Registration, Social Hour, & Science Fair Displays
- 6:30 - 7:15: Dinner
- 7:15 - 8:00: Keynote: Dr. Robert Chasnov, Cedarville College Senior Professor & Chair, Elmer W. Engstrom Dept of Engineering & Computer Science

“Energy from the Sun”

- 8:00 - 9:30: Awards Presentations
 - NOBLE Award
 - RUSS Award
 - Life Members
 - New Fellows
 - 2014 Krishna Pasala, Ph.D. Memorial Scholarship
 - Outstanding Student- IEEE Student Chapters
 - IEEE Science Fair Winners



Join Us!

Tickets: Adult \$20, Student \$5
pay at door,
parking included

RSVP (by April 8): David Perez david.c.perez@gmail.com

Keynote: *Energy from the Sun”*

This year, the IEEE Dayton Section is focusing on energy systems and energy engineering for our current and future engineers in the Dayton region. In keeping with this trend, our featured Keynote Speaker for the IEEE Dayton Section Banquet will be Dr. Robert Chasnov.

His lecture is entitled, “Energy from the Sun”. Dr. Chasnov’s interests include researching climate change, and he has been a part-time consultant in material failure analysis for the past six years.



IEEE Dayton Banquet Keynote
Dr. Robert Chasnov,
Cedarville University

**Read More
about the
Banquet on
Page 3**

thank you!

Dave and Kathy Perez will again be organizing and running the IEEE Dayton Section Banquet. We (IEEE Dayton Section) greatly appreciate their continued help and time on this large event!

Miami Valley Consultants Network Meeting

When: April 11, 2014 @ 11:30 am – 12:30 pm

Where: Engineers Club of Dayton
110 East Monument Avenue Dayton, OH 45402

The Miami Valley Consultants Network meets regularly at the Engineers Club of Dayton on the 2nd Friday of each month, at 11:30 AM.

Attendees should make reservations at 937-228-2148.

Dayton Section Officers 2014

OFFICERS

Chair: Dr. Robert L. Ewing 937-528-8122

robert.ewing@ieee.org

Vice Chair: Dr. Charles Cerny

937-528-8248 Charles.Cerny@wpafb.af.mil

Treasurer: Barbara Frantom 528-8171

bfrantom@ieee.org

Secretary/Pace Co-chair: Stephen Hary 528-8727

stevehary@ieee.org

Past Chair: Richard J. Thomas 937-431-5954

Richard.J.Thomas@ngc.com

STANDING COMMITTEES

Affiliate Society Rep: Dr. Nils Fernelius 335-1084

Nils.fernelius@wpafb.af.mil

Awards: Dr. Michael Haas 937-255-8768

MichaelHaas@wpafb.af.mil

Banquet Chair: Dave Perez cell 307-8954

David.Perez.ctr@wpafb.mil

Communications: Robert Haller 937-367-3105

r.t.haller@ieee.org

Consultants Network: Dr. Joe Martino 937-492-4729

MVOhConsultants@aol.com

Fall Lecture Series: Jacqueline Toussaint-Barker

Fellow Nomination Chair: Dr Paul McManamon

Industry Representative: Don Scarpero 438-0361

(h) 239-1425 dscarpero@yahoo.com

Mailing List Coordinator: Robert Cooper 298-2062

Bobc9101@sbcglobal.net

Miami Valley Graduate Activities: Elena Guliants

656-9783 Elena.guliants@notes.udayton.edu

Membership: Catherine Deardorf 528-8579

Catherine.Deardorf@wpafb.af.mil

PACE Chair: Felicia N. Harlow 528-8909

fharlow@ieee.org

Publications: Frank Palazzo 434-4104

f.l.palazzo@ieee.org cell 554-2386

Science Fair Coordinator: Loria Wang

Student Activities: Joseph Natarian

Joseph.Natarian@IEEE.org

Webmaster: Barbara Moore 667-4972

bjmoore@lidaray.com



STUDENT BRANCH ADVISORS

AFIT: Dr. Kenneth Hopkinson

937-255 3636 x 4579 hopkik@yahoo.com

Cedarville: Dr. Gerry Brown 937-766-7695 (Cell 937-

532-3091 gbrown@cedarville.edu

Sinclair: Abdullah Johnson 937-512-2570

Abdullah.Johnson@sinclair.edu

U Dayton : Dr Eric Balster 937-229-3188

Eric.Balster@notes.udayton.edu

WSU: Dr. Marty Emmert 937-775-5023

marty.emmert@Wright.edu

ACTIVE CHAPTERS

AEROSPACE & ELECTRONICS SYSTEMS SOCIETY(AES)

Shaun Frost Shaun.Frost@wpafb.af.mil

Antennas & Propagation / Microwave Theory & Techniques (APS/MTT)

Andrew Terzuoli 255-3636-4717

a.j.terzuoli@ieee.org

Computer Society:

Lowell E. Reed |

lowell.reed@computer.org

PEAL Society:

Dr. Hao Huang 415-0229

Hao.Huang@ge.com

Photonics (formerly LEOS) Society:

Dr. Andrew Sarangan 985-2425

asarangan@gmail.com

Signal Processing Society:

Michael Haas 937-255-8768

Michael.Haas@wpafb.af.mil

Systems, Man & Cybernetics Society & Engineering in Medicine & Biology Society (SMCS & EMBS)

Nikolaos Bourbakis

nbourbakis@woh.rr.com

Michael Haas 937-255-8768

Michael.Haas@wpafb.af.mil



We will be honoring the NOBLE and RUSS award winners. Learn more about both the awards and winners.

Harrell V. Noble Award:

Criteria that must be met to receive the award shall be: This annual award is given to an outstanding candidate who has made significant contributions to the research, development, and/or application of electronic devices or in education, or management in the area of electronic devices.

The modern term of electronic devices should be viewed to include nano / micro and photonic devices or structures, mixed-signal integrated circuits, modeling, simulation, interface and/or performance evaluation studies, computer analysis and synthesis of distributed network systems."

The nominee must be a member of the Dayton Section IEEE. The awardee will receive a plaque and a monetary award from a fund donated by the late Dr. Harrell V. Noble and the Dayton Section.

NOBLE 2014 Award Winner:

Dr. Marty Emmert, Professor, Electrical Engineering Department, Wright State University; for his outstanding work on - "Physical Mapping of Circuits to Field Programmable Gate Arrays" both in education and research.

Dr. Fritz J. Russ Bio-Engineering Award:

Criteria that must be met to receive the award shall be: This award is given to the outstanding candidate who has been involved in R&D, Teaching or management furthering the objectives of Bio-Engineering in the Dayton area for at least 3 years and is a member of the Dayton Section IEEE. Bio-Engineering covers the physical and engineering sciences in biology and medicine, ranging from formalized mathematical theory through experimental science and technological development to practical clinical applications. The award shall consist of an individual plaque, Awardee's name added to a perpetual plaque and a monetary award.

RUSS 2014 Award Winner:

Dr. David Sonntag, Chief, Technical Operations Division. Department of Occupational & Environmental Health, USAF School of Aerospace Medicine, 711th Human Performance Wing, Wright Patterson AFB; for his outstanding work on - Biological Information Processing involving cognitive, human factors, sociocultural modeling, data-mining, nano-materials, advanced sensor technologies, and complex-adaptive systems.

Award of 2014 Krishna M. Pasala, Ph.D. Memorial Scholarship:

The IEEE Dayton Section is pleased to announce the 2014 award of the Krishna M. Pasala, Ph.D. Memorial Scholarship. The subject memorial scholarship is awarded annually to a graduate student attending the University of Dayton within the Computer and Electrical Engineering (ECE) Department. The award of the scholarship is based on academic excellence in the area of electrical engineering and includes a prize of up to \$1,000 to be awarded at our Banquet.

**Krishna M. Pasala, Ph.D. Memorial Scholarship 2014 Award Winner:
Hailing Yue**

IEEE Dayton Section Science Fair Winners:

We will be recognizing the outstanding Science Day IEEE winners from both the Montgomery County Science Fair and Western District Science Day. A panel of judges selected student projects that best advance the electrical engineering profession and we will honor them with a certificate, check and dinner at our awards banquet. **We wish to thank Ms. Loria Wang and Dr. Sanjay Boddhu**, from our Dayton Section for organizing the judging in these two events! These students will be showing their research at our Dayton Banquet, so please attend!

Montgomery County Science Day Winners

1st: Michael Menart, "Developing automatic music transcription software"
2nd: Shaun Ryer, "Autonomous robot tracking"
3rd: Kiara DiLoreto, "What truss can you trust?"

West District Science Day Winners

1st: Casey Puckett and Gage Berghoff, "Mind Games"
2nd: Will Thompson, "Testing the design of a public labs spectrometer"
3rd: Owen Sanford, "Increasing wifi with a parabolic reflector"
HM: Rachel Kahler, "Sensor fusion"
HM: Paul Jasek, "The optimal selection methods for gesture controlled devices"

TechFest 2014

The 12th annual TechFest was a resounding success! We had three tables managed by Wright State University, which was part of over 70 exhibit and presentations. We will be inviting the Wright State University team to our banquet for recognition of their service -TechFest has become part of the culture of the Miami Valley and they have helped make it so!

2014 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)

20 Jun - 27 Jun 2014
Columbus Convention Center, Columbus, OH, USA

<http://conferences.visionbib.com/2014/cvpr-6-14-proposal.html>

IEEE National Aerospace & Electronics Conference (NAECON)

25-27 June, Dayton, Ohio

Abstract Due: May 20, 2014 Paper Due: June 4, 2014

IEEE Member Cost (Early Registration): \$200, Student Cost: \$100

Submission Details: www.naecon.org



The 2014 National Aerospace Electronics Conference (NAECON) will be held on June 25-27 at the University of Dayton's Research Institute, Conference Center (Meyer Room), 1700 Patterson Blvd, Dayton, Ohio.

The 2014 theme is "Sensory Processing"

NAECON is a major forum for researchers, practitioners, and students interested in advanced aerospace sensors, navigation, power systems, imaging fusion, advanced materials, RFIC design, collaboration, THz & signal processing, passive and active sensing, cyber and Trust in semiconductor design.

NAECON Grand Challenge's Theme: *"Sensory Materials & Interfaces to achieve high performance, trust, reliability and improved processing"*

Sponsored by: The Aerospace & Electronic Systems Society (AESS) and The IEEE Dayton Section

Supported by: Air Force Institute of Technology, Wright State University, University of Cincinnati, The Ohio State University, University of Dayton, and Oakland University

Wednesday – 25 June

Vic Bonneau,

President GE Aviation Electrical Power Systems Design and Controls



Thursday-26 June

Dr. Michael Barnsley,

Department of Mathematics, Australian National University, Canberra, Australia



Friday- 27 June

Dr. Jade Morton,

Miami University



Topic: *V-Variable Fractals and Super-fractals: Modeling a wide range of Phenomena across Science and Technology*

Topic: *High Sensitivity for Integrated Navigation Information Satellite Systems*

NAECON Plenary Speaker

Thursday -26 June,

Dr. Harold Weinstock, AFOSR

Topic: What Quantum Electronics Solids Can Do for Aerospace Electronics

Projects: Tec^Edge, IDCAST, Great Lakes Photonics Symposium:

Student Projects , STEM activities, & Photonics (Chairs: Dr. Robert Williams & Larrell Walters, and Dr. Paul McManamon)

IEEE Dayton Section
P.O. Box 291885
Dayton, Ohio 45429-0885

Address Service Requested

non-profit organization
U.S. Postage PAID
Dayton, Ohio 45401
permit no. 190

Celebrating 70 Years!

Prefer to get the mailed version of the Mini? Contact Bob Cooper 298-2062 or Bobc9101@sbcglobal.net



2014 IEEE Radar Conference (RadarCon) May 19-23 Cincinnati, Ohio

<http://www.radarcon2014.org/>

IEEE sponsors: Aerospace & Electronic Systems Society,
Antennas & Propagation Society, Signal Processing Society

The Dayton-Cincinnati area is rich with aerospace heritage and provides a one-of-a-kind backdrop for RadarCon. The 2014 IEEE Radar Conference will showcase innovations and developments in radar technology. Topics will include presentations describing developments in radar systems and their implementations, phenomenology, target and clutter modeling, signal processing, component advances, etc. Advances from several disciplines have contributed synergistically to improve radar performance. However, onerous challenges imposed by harsh environments, difficult targets, and a shrinking EM spectrum correspondingly increase the demands on radar performance in terms of multi-functional and multi-modal requirements. This in turn calls for innovative approaches that enable exploitation of the inherent information from the radar returns, reflected in our conference theme FROM SENSING TO INFORMATION

Contact: Patty Woodard, 8750 Beckwith Road, Taberg NY USA 13471, +1 315 336 7069
patty@stbeventplanning.com

