



Elections – 2007

It's that time of year again when elections are held for the Section officers. Biographies for each of the candidate and paper ballot is included this newsletter. Please take to time to review the candidates and submit your vote!

New: Web Ballot for Voting

By **Todd Stahlnecker**

This year, we are trying a pilot program to use the section web site as an alternate voting method. The ballot is located at www.ieeene.org/ballot.html and the candidate bios are at the bottom of that same page. A link to the ballot page will be on the section's home page.

Voting on the web site will be very similar to voting with the paper ballot. You'll need your IEEE membership number in order to cast a valid ballot. Name and contact information are also requested for member verification so that we can match up the name and member number on our IEEE data base.

Entering information is very similar to filling out the forms used to sign up for IEEE meeting events. It's quick, easy, and should allow you all the same voting options that you have with the paper ballot. Give it a try!

Message from the Nebraska Section Chairman

This year has come and gone so quickly. A look back shows our Section has been very active with many meetings, tours and opportunities for members and IEEE volunteers throughout 2006.

I want to especially thank members of the IEEE Executive Board for their hard work and assistance to make this year a success. The officers of the Communication, Power and Computer Societies, and Members At Large come up with the ideas for meetings and tours. I especially want to thank David Heins and Mike Hasenkamp for their assistance on the Executive Board, and Pierce Carpenter for his continued support in various aspects of setting up meetings and communicating with members via e-mail. I also want to thank Todd Stahlnecker for his assistance with updating and innovating the website, Dan DeLuna for his ongoing assistance to the Section with newsletter creation and delivery, and Joel

Haskins for his work to organize a ballot of officers for next year.

Many of you may not know that only about 10 percent of IEEE members volunteer to support section activities. Without those volunteers, we would not have the technical meetings and networking opportunities that we have come to enjoy here in Nebraska. IEEE Volunteers attended IEEE Region 4 meetings in Chicago in January, PACE meetings in St. Louis in March, an IEEE USA Teacher In-Service meeting in Indianapolis in May, and a variety of executive planning meetings throughout the year (including one in the basement of a restaurant during a tornado warning in Omaha).

Section members were also able to attend many meetings and tours throughout the year as noted on the following list:

1. January 24 - Executive Board Kick-off meeting and IEEE Section meeting - "Stories from the Nebraska Board of Engineers and Architects."
2. February 21 - IEEE Section meeting & Communications Society joint meeting with MVCA - "A Tour of the Nebraska Educational Television Station"
3. February 23 - E-Week Banquet - "New Trends in Urban Planning" - Sponsored by Omaha Round Table, which IEEE participates in.
4. March 14 - IEEE Section & Communication Society meeting - "Tour of UNO TV with a presentation of High Definition TV"
5. March 21 - IEEE Section meeting & Communications Society joint meeting with MVCA - "The 'State of the State' in Telecom, Legislation, Developments, and Regulation"
6. March 30 - Executive Board meeting & IEEE Section & Power Society meeting - "Tour of Pedersen Power Products"
7. April 20-21 - UNL E-Week - IEEE votes on best Senior Projects and presents awards at the evening banquet (many IEEE members attended the banquet).

8. April 27 - IEEE Section & Communication Society joint meeting - "Failure and Replacement of the KETV Radio Tower"
9. May 22 - IEEE Section & Computer Society joint meeting - "The State of Medical Data Exchange for Public Health"
10. August 24 - Executive Board meeting & IEEE Section & Power Society joint meeting - "Tour of LES Salt Valley Generating Station"
11. September 19 - IEEE Section meeting & Communications Society joint meeting with MVCA - "Security in Voice & Data Networks"
12. October 20 - Executive Board meeting, & IEEE Section & Computer Society joint meeting - "Trends in Wireless Technologies"
13. November 21 –IEEE Section meeting – “Olean Energy Project”, and a “Tour of the Duster's Microbrewery”
14. December 6 – Executive Board meeting, and Joint IEEE-NSPE Meeting where Nebraska Lt. Governor Rick Sheehy spoke about “Pandemic Flu Preparations”

This year, I really enjoyed the chance to meet many electrical engineers of the future. In March, Dave Heins and I assisted with judging at the Greater Nebraska Science and Engineering Fair in Nebraska City for high school students, and gave science fair awards from IEEE Nebraska Section to future electrical engineers. In April, a number of us helped judge Senior Student Projects from both UNL and UNO, and I got to hand out awards at the Student banquet the next day. In October, I had the privilege of presenting checks from IEEE Nebraska Section to both UNL and UNO Student Chapters, and met several electrical engineering students that will be leading the way in the years ahead.

Thank you to the IEEE Executive Board for their assistance this year, to the many employers (including NPPD) who support meeting attendance, to my wife Linda for her assistance with chapter activities; and to you, the members of the IEEE in Nebraska for your membership and encouragement. Merry Christmas and Happy Holidays to you all!

Gordon Heins, P.E.

2007 IEEE Candidate Biographies

Officers:

David Heins, P.E., BSEE from UNL; Registered Professional Engineer in Nebraska. Senior Engineer in the Production Engineering & Technical Support Division of OPPD. Currently Vice-Chair for the IEEE Nebraska Section.

Michael A. Hasenkamp, PE, PMP - BSEE from UNL; Registered Professional Engineer in Nebraska, Certified Project Manager, Currently Project Manager with Nebraska Public Power District; Past President Nebraska Society of Professional Engineers, Past President Omaha Section of National Association of Corrosion Engineers.

Patrick Duckworth, P.E. - BSEE from UNL, 1982; Registered Professional Engineer in Nebraska since 1995. Currently Senior Technical Services Engineer in the Engineering Division at Omaha Public Power District. 24 years experience in power quality and distribution systems reliability.

Members At Large:

Diana D. Coleman, BS Physics from Xavier University of Louisiana, BSEE and MBA from University of New Orleans; currently Engineer at Omaha Public Power District; Current Secretary for NSPE and Member-at-Large for IEEE.

Jason Smith, P.E., BSEE and MSEE degrees from University of Nebraska-Lincoln in 1998 and 2001 respectively. Currently with Lincoln Electric System (LES) as a System Protection Engineer. During his tenure at UNL, he has held several offices in both IEEE and HKN, the most significant of which was President of the UNL Student Chapter. Mr. Smith is a member of IEEE since 1994.

Todd Stahlnecker, P.E., licensed professional Engineer in Arizona, California, Colorado and Nebraska. Past Owner of Legal Electric, an electrical contracting company in Blair, Nebraska. Currently Principal and General Manager of Design & Construction Engineers in Omaha and member of American Mensa.

Jerry Dijak - Dr Jerry Dijak is a Second Vice President and currently the Deputy Director of the Performance Management Office at First National Bank of Omaha. He is assisting in the effort to set up a process improvement framework based on the Six Sigma methodology.

Jerry Dijak's academic training has been in Electrical Engineering and Computer Science. He holds Bachelor of Science with Distinction, Master of Science, and PhD degrees in Electrical Engineering from the University of Rochester (NY), the Air Force

Institute of Technology, and Cornell University, respectively. His practical experience over the past 30 years has been with communications, computers, information system engineering, business process re-engineering, and management of large and complex projects.

Ron Gunderson, P.E. Presently working with Nebraska Public Power District as the Transmission System Control Supervisor at Doniphan, Nebraska. Graduated with a BSEE degree from UNL in 1982. Employed with NPPD for 24 years. Currently a Senior Member and has been an IEEE member since 1983. Participated in the IEEE USA Teacher in Service program in June 2006.

Jim Barbee Jim entered the electric utility industry in June of 2004 with a Material Standards position at NPPD. His current position as a Metering Engineer has him supporting metering personnel and working on projects such as AMR implementation and handheld reading system upgrades. Jim holds a BS degree in physics from Doane College and received his BSEE from Columbia University in 2003. He has been a member of the IEEE for four years.

John Benefiel, P.E. MSEE from the University of Missouri, BSEE from Kansas State University, MBA from Rockhurst University; registered Professional Engineer; currently Director of Research & Development for CETAC Technologies and SD Acquisitions. Past secretary and past treasurer of IEEE Kansas City section. Past president of Kansas State University IEEE student section.

Communications Society:

Pierce Carpenter, BSEE from UNL, Registered P.E.; currently Field Supervisor in Communications at Omaha Public Power District.; Past President of Nebraska Chapter NSPE; Current Chair of Nebraska Section Communications Society.

Song Ci [S'98, M'02, SM'06] is an assistant professor at the Department of Computer and Electronics Engineering in the College of Engineering of the University of Nebraska-Lincoln. He received his B.S. from Shandong University of Technology (now Shandong University), Jinan, China, in 1992, M.S. from Chinese Academy of Sciences, Beijing, China, in 1998, and Ph.D. from the University of Nebraska-Lincoln in 2002, all in Electrical Engineering. He also worked with China Telecom (Shandong) as a telecommunication engineer from 1992 to 1995, and with Wireless Connectivity Division of 3COM Cooperation, Santa Clara, CA, as a

R&D co-op in 2001. From 2002 to 2005, he was an assistant professor of computer science at the University of Michigan-Flint. From 2005 to 2006, he was an assistant professor of computer science at UMass Boston. He serves as the TPC co-chair of IEEE ICCCN 2007, the track co-chair of Wireless Applications track at IEEE VTC 2007 Fall. He has served as reviewers for many referred journals and technical committee members for several international conferences. He has received the Best Paper Award in the 2004 IEEE International Conference on Networking, Sensing and Control (IEEE ICNSC). He is a senior member of the IEEE and the ACM.

Computer Society:

Hesham Ali, PhD, University of Nebraska-Lincoln. He is a professor of Computer Science and an associate Dan of Academic Affairs of the College of Information Science and Technology at the University of Nebraska at Omaha. He is also serving as a deputy director for Computational Sciences of the newly formed Nebraska Informatics Center for the Life Sciences. He has published two books and a large number of articles in various areas of computer science including scheduling, distributed systems, wireless networks, circuit design and most recently, bioinformatics.

Dan DeLuna, BS Electronics Engineering from UNL. Dan is the owner of DKN Computer Solutions, LLC, a computer hardware and software consulting company. Past Chair of IEEE Nebraska Section and Computer Society Chair and also manages the section's newsletter.

Power Engineering Society:

Alan J. Kaspar, P.E.; BSEE from UNL 1981; MSIE from UNL 1996; licensed professional engineer in Nebraska; 25 years experience at Omaha Public Power District in System Planning, Distribution Engineering, and Substation Engineering; currently Manager of Substation Engineering at OPPD. Currently Chair of the Power Engineering Society for IEEE, Nebraska Section. IEEE member for 29 years.

Charles Manternach, P.E., BSEE from Iowa State 1987; licensed professional engineer in Nebraska and Iowa.; currently Supervisor — Protection Engineering at Omaha Public Power District; currently Power Engineering Society Vice Chair; Past Member of ISU Student IEEE Board; Past ISU Alumni Ambassador



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
Nebraska Section - www.ieeene.org
Dan DeLuna, Newsletter Editor
DKN Computer Solutions, LLC
PO Box 368
Springfield, Nebraska, 68059

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THE NEBRASKA SECTION IEEE NEWSLETTER

NEBRASKA SECTION OFFICERS

CHAIRPERSON

Gordon Heins
Nebraska Public Power District
Box 499
Columbus, NE 68602-0499
(402) 563-5152
gheins@nppd.com

VICE-CHAIRPERSON

David Heins
Omaha Public Power District
444 S. 16th Street Mall
Omaha, NE 68102-2247
(402) 636-3419
dheins@oppd.com

SECRETARY/TREASURER

Charles Manternach
Nebraska Public Power District
PO Box 499
Columbus, NE 68602-0499
(402) 563-5371
cjmanternach@oppd.com

COMMITTEE CHAIRPERSONS

AWARDS AND NOMINATIONS CHAIRMAN
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HAMID SHARIF (402) 554-3628
NATHAN MAYO (402) 553-7381
DIANA COLEMAN (402) 514-1606
JERRY DIJAK (402) 636-6505
TODD STAHLNECKER (402) 384-8900
DAN DELUNA (402) 670-2006
JASON SMITH (402) 467-7569
HESHAM ALI (402) 554-3623

HSHARIF@MAIL.UNOMAHA.EDU
NGMAYO@OPPD.COM
DDCOLEMAN@OPPD.COM
JDIJAK@FNFI.COM

COMMUNICATIONS SOCIETY

CHAIRMAN
VICE CHAIRMAN

PIERCE CARPENTER (402) 552-5426
JERRY DIJAK (402) 636-6505

PCARPENTER@OPPD.COM
JDIJAK@FNFI.COM

COMPUTER SOCIETY

CHAIRMAN
VICE CHAIRMAN

HESHAM ALI (402) 554-3623
DAN DELUNA (402) 670-2006

HALI@MAIL.UNOMAHA.EDU
DAN.DELUNA@IEEE.ORG

POWER ENGINEERING SOCIETY

CHAIRMAN
VICE CHAIRMAN

ALAN KASPAR (402) 514-1601
CHARLES MANTERNACH (402) 552-4923

AKASPAR@OPPD.COM
CJMANTERNACH@OPPD.COM

STUDENT CHARTERS

UNL CHAIR
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UNO PRESIDENT
UNO VICE PRESIDENT

BRANDON LEVANDER (402) 472-2577
LESLIE GUTSCHOW (402) 472-2577
ERIC KWETE (402) 554-2288
HAIME DIAS (402) 554-2288

IEEE@ENGRS.UNL.EDU
IEEE@ENGRS.UNL.EDU