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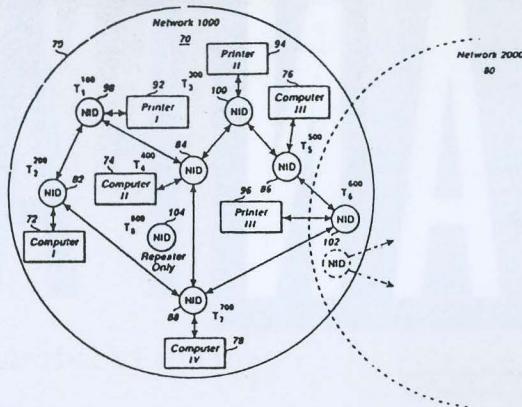
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SCANFAX

March 2005

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Chicago Section Executive Committee Meeting

Tuesday, March 8, 2005, 7:00 p.m.

DeVry DuPage, Room TBA, 1221 N. Swift Rd., Addison, IL

No Registration Needed

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New IEEE Standard 802.16 set to revolutionize wireless broadband access

By Paul Zukowski

The certification process is about to begin in Spain for the newest form of wireless broadband products under IEEE Standard 802.16, referred to as WiMAX or WirelessMAN or the Air Interface Standard, which should unleash a torrent of new products and services for cell phones, laptops, and even home-based computers. The WiMAX Forum selected Cetecom Spain as its official certification laboratory and marked July 2005 for the launch of the WiMAX Forum Certified program. Full-scale deployment of WiMax is expected to begin in 2007.

Cetecom will independently test and certify WiMAX Forum member companies' products to ensure they meet WiMAX Forum conformance and interoperability standards. The WiMAX Forum is an industry-led, non-profit corporation formed to help promote and certify the compatibility and interoperability of broadband wireless products using IEEE 802.16 and has more than 230 member organizations.

Already Intel, one of the biggest backers of the technology, has shipped its first WiMAX chips to equipment manufacturers. Intel is conducting WiMAX tests of its own around the U.S. to see how equip-

ment from different manufacturers works together in the field. Intel President Paul Otellini said at a conference, "WiMAX will be to DSL and cable modems what cellular was to land-line phones." While the current Wi-Fi 802.11 equipment creates hot spots about 150 feet in radius, WiMAX can reach up to 10 miles.

Even lacking final certification, many companies are exploring the wireless broadband space. According to the Wall Street Journal, several big Internet and phone companies are moving to provide wireless high-speed access to the Internet, challenging the dominance of traditional

phone line and cable connections to millions of U.S. homes and offices.

For instance, EarthLink Inc. plans to offer 802.16 wireless broadband in markets across the country by the second half of this year and AOL is looking into it. AT&T Corp. has announced plans to deploy it in 2006. Meanwhile Sprint Corp. and MCI Inc. are actively testing the technology. All are looking for ways to bypass the former Bell companies' monopoly on the last mile of copper wire to homes and businesses.

Not sitting still, the Bell companies are also actively testing various wireless services. Verizon Communications Inc. and BellSouth Corp. have run advanced trials, and Qwest Communications International Inc. has tested wireless broadband in several markets and plans to roll it out to consumers and businesses in 18 months. They could use WiMAX in areas they can't offer DSL, for example.

The idea of using a technology like 802.16 for fixed broadband wireless MANs, or metropolitan access networks, has long been in the works. From the late 1990s into early 2000, Sprint offered high-speed Internet service using tower-to-antenna technology similar to WiMax to reach customers out of reach of cable and DSL. But the technology proved too expensive to install and maintain. The IEEE Standard was completed in October 2001 and published in April 2002. As currently defined, a wireless MAN provides network access to buildings through exterior antennas communicating with central radio base stations. The wireless MAN offers an alternative to cabled access networks, such as fiber optic links, coaxial systems using cable modems, and digital subscriber line links.

Because wireless systems can cover big geographic areas without the cost of infrastructure links to individual sites, WiMAX may prove less expensive to deploy and thus lead to more omnipresent broadband access. Precursor wireless systems have been in use for several years, but the development of the new standard marks

the maturation of the industry and forms the basis of new industry success using second-generation equipment.

At first WiMAX technology will bring the service to a building where users will connect to it with conventional in-building networks such as, for data, Ethernet (IEEE Standard 802.3) or wireless LANs (IEEE Standard 802.11 also known as Wi-Fi). However, the fundamental design of the standard allows for the efficient extension of the WiMAX networking protocols directly to the individual user.

IEEE Standard 802.16 was initially designed for frequencies from 10 to 66 GHz where extensive unlicensed spectrum is available worldwide. Later, air interface support was extended to the 2 to 11 GHz band, much of which is licensed, such as to cell phone companies. So in the future, both licensed and unlicensed WiMAX services may be offered.

WiMAX could help a communications company either attack or defend its traditional broadband turf. An Internet service provider could set up an unlicensed WiMAX service in a city to offer both Internet and phone service and avoid the high cost of licensing spectrum as cell phone companies do. However the cell phone companies could set up WiMAX service to compete with DSL or cable.

Support for WiMAX technology was firmly established among system integrators with the additions late in 2004 of Lucent Technologies, LG Electronics and Huawei Technologies to the growing roster of the WiMAX Forum. Combined with Nortel and Cisco, these companies represent virtually every major systems integrator worldwide, a key industry segment for the large-scale, global deployment of WiMAX. The integrators have been joined by service providers such as America Online Inc., Deutsche Telecom, SBC, and Time Warner Telecom.

"The nearly unanimous support for WiMAX technology among integrators and the continued interest from service providers is testament to the potential for WiMAX to deliver on the global challenge

of providing broadband on a ubiquitous scale," said Ron Resnick, president of the WiMAX Forum, in a press release.

Another aspect is that WirelessMAX can be a key part of integrating converged networks using IP solutions over multiple access technologies including third-generation (3G) mobile (C DMA2000 and UMTS/W-CDMA), Wi-Fi and wireline networks.

Through WiMAX Forum-led efforts, the economies of scale made possible by standards-based, interoperable products will drive price and performance levels unachievable by proprietary approaches. As a result, service providers worldwide will be able to deliver economical broadband data, voice and video services to both residential and business customers.

John McKinley, chief technology officer, America Online Inc., said in a release, "What excites us most about the WiMAX initiative is not just the role it can play to bring more consumer choices for high-speed data services, but the added benefit that WiMAX will bring to light up cities with a transforming high-speed mobile data network"

The publication of IEEE Standard 802.16 was a defining moment for broadband wireless access, moving it to a second generation and securing its establishment as a mainstream alternative for broadband access. Through the dedicated service of many volunteers, the IEEE 802.16 Working Group succeeded in quickly designing and forging a standard based on forward-looking technology. IEEE Standard 802.16 is the foundation of the wireless metropolitan area networks of the next few decades.

WiMAX Forum Certified products will be fully interoperable and support metropolitan broadband fixed, portable and mobile applications. For more information about the WiMAX Forum and its activities, visit www.WiMAXForum.org. ■

Evening Meeting

Chicago Chapter of the IEEE Power Engineering Society

IEEE Distinguished Lecturer Series

Wednesday, March 9, 2005

Speaker from IEEE Distinguished Lecturer Program

Meeting Location:

ComEd Commercial Center, 1919 Swift Drive, Oak Brook, IL (near the I-290 and I-294 interchange)

Time:

5:30 p.m. Social
6:00 p.m. Dinner
6:45 p.m. Presentation
8:30 p.m. Adjourn

Reservations:

Please call the IEEE Business Office by noon on Monday 7 March 2005 at (312) 253-4333 or (800) 898-IEEE to make your reservation. The cost of the optional box-lunch style dinner is \$15.00 for IEEE members, \$20.00 for non-members, payable at the event. Sorry, we are unable to process credit cards. Checks payable to "IEEE-PES Chicago Chapter" and cash are accepted, and receipts will be provided. See web site for details:
<http://peschicago.org>

Information:

For more information, please visit the Chicago Chapter IEEE PES web site:
<http://peschicago.org>

Continuing Education:

IEEE technical meetings may be acceptable as continuing education where required for maintenance of professional engineering licensure. Refer to the individual state's requirements for details.

Evening Meeting

ED/CAS/SSC Chicago Chapter and the IEEE Northwest Subsection

Commercial Aircraft Protection Against Man-Portable IR Surface-to-Air Missiles

Thursday, March 10, 2005

Leo Danielides
Project Manager, Northrop Grumman

Important Notice:

Due to the nature of the topic, attendance must be restricted to U. S. Citizens only. Identification will be checked at the door. No cell phones, PDAs, pagers, cameras or other recording devices will be allowed in the room during the meeting.

About the Topic:

Northrop Grumman has industry-leading capabilities and experience in addressing

the potential threat to aircraft posed by Man-Portable Air Defense Systems (MANPADS). This presentation will show how Northrop Grumman will provide effective and economical protection for commercial aircraft application.

Meeting Location:

Motorola, 1301 Algonquin Rd, Schaumburg, IL. Enter Campus at Gate A (farthest West). Enter Door 13 of the six story building. See maps at <http://ewh.ieee.org/r4/chicago/ed-cas-ssc>

Time:

6:30 p.m. Free Food and Drink
7:00 p.m. Presentation

Reservations:

Please call the IEEE Message Center at (800)898-IEEE or (312)253-4333 by 1:00 p.m. Tuesday, March 8th.

Information:

Email the Chapter at ed.cas.ssc.chicago@ieee.org or visit <http://ewh.ieee.org/r4/chicago/ed-cas-ssc>

Evening Meeting

IEEE EMC Society Chicago Chapter

An Update of European EMC Directive • Tuesday, March 15, 2005

Donald L. Sweeney
Senior EMC Engineer and President of D.L.S Electronics Systems, Inc.

About the Topic:

This presentation will focus on the latest update to the European EMC Directive. A comprehensive look at the recent changes to the directive, the date for implementation, how it will effect future compliance issues for electric and electronic products, test methodology, test reporting, testing procedures, and testing laboratories, as well as the requirements for existing products already on the market.

About the Speaker:

The presenter will be Donald L. Sweeney, Senior EMC Engineer and President and

founder of D.L.S. Electronic Systems, Inc, an independent compliance testing and consulting company. He is a graduate of the Department of Electrical Engineering, University of Illinois at Champaign Urbana, and has over 40 years experience in the EMC and electrical engineering fields. Mr. Sweeney specializes in EMC, RFI, and EMI consulting and testing. He has taught EMC at the University of Wisconsin, and at Oakton College. Mr. Sweeney has served as a special consultant to Lawrence Livermore National Laboratory, and the Nuclear Regulatory Commission. Mr. Sweeney is a member of IEEE EMC Society, currently on the IEEE EMC Society Board of Directors, and is past Chapter Chairman for the Chicago chapter of the IEEE EMC Society. Mr. Sweeney is the founding chair-

man of the U. S. Council of Independent Laboratories.

Meeting Location:

D.L.S. Electronic Systems, Inc
1250 Peterson Drive
Wheeling, IL 60090

Directions:

Directions can be found at www.dlsemc.com

Time: 7:30 p.m. – 8:30 p.m.

Reservations:

Please call to RSVP. Refreshments from 6:30 to 7:00 will be provided. Seating is limited. Contact Maxine Martin 1-847-537-6400.

Evening Meeting

IEEE -IAS/IES Dinner Presentation

Roadway Lighting • Wednesday, March 16, 2005

Martin Anderson
Bureau Chief of Electrical Operations of IDOT

About the Topic:

The largest electrical cost item in IDOT's project work is highway lighting. Design of these systems requires knowledge of electrical low-voltage distribution and control as well as the requirements of the applicable roadway lighting design standards, most prominently IES RP-8. The new standard that IES established in late 2000 made some significant changes in the approach required for highway lighting design, and several areas require interpretation by the practitioner. Mr. Anderson will speak about some background issues for the professional doing highway lighting, the key changes in the current RP-8 standard and the clarifications that IDOT District 1 has prepared to address the questions they raise, and he will touch on some electrical issues that

are important for those preparing plans for roadway lighting projects.

About the Speaker:

Mr. Anderson is the Bureau Chief of Electrical Operations for District 1 of the Illinois Department of Transportation (IDOT). He joined the Department in 1985, and has been Bureau Chief since 1990. Previously he was with PRC Engineering for 13 years, and was the Department Head for Electrical Engineering at the time of his departure. He earned his B.S.E.E. degree from the Illinois Institute of Technology, an MBA from Northern Illinois University, and is a Registered Professional Engineer in Illinois. He received the IDOT District 1 Engineer of the Year award in 1989.

Time:

5:30 p.m. Social
6:00 p.m. Dinner
7:00 p.m. Presentation

Meeting Location:

COSTA'S (GREEKTOWN)
340 Halsted St. • Chicago, Illinois
Costa's is located in Greektown on the corner of Van Buren and Halsted. See www.iaschicago.com for detailed directions and a map.

Cost:

Your cost includes the presentation and a four-course dinner with a choice of the main entry - Roast lamb, Chicken, or Fish. (Vegetarian or special dietary meals available upon request). Cost is \$25 IEEE Member and \$30 non-member. Valet parking is included with your meal.

Reservations:

Please call the IEEE Business office at 800-898-IEEE or 630-493-4333 with your reservation. Please note any special meal requests at the time of the reservation. You can also make your reservations on line at www.iaschicago.com

Evening Meeting

IEEE – EMC Society Chicago Chapter
Monthly Chapter Meeting TBD
Wednesday, March 16, 2005

About the Topic:

The regular EMC Society chapter meeting will be held on Wednesday, March 16th, 2005 at D.L.S. Electronic Systems. Check the section web site for details on the meeting topic.

About the Speaker: Check the section web site for details on the speaker.

Meeting Location: D.L.S. Electronic Systems • 1250 Peterson Drive • Wheeling, IL 60090

Time:

6:30 p.m. Social Hour
7:00 p.m. Meeting Start

Reservations: Jack Black (DLS) • 847-537-6400

For Additional Information: www.ewh.ieee.org/soc/emcs/chicago/

Evening Meeting

ED/CAS/SSC Chicago Chapter and the Electron
Devices Society Distinguished Lecturer Program

Quantum Engineering of Nanoelectronic Devices

Thursday, March 17, 2005

Professor Vijay K. Arora
Wilkes University

About the Topic:

Quantum (digital-type) concepts are gaining prominence over and above classical (analog-type) ones in miniaturized devices where nanometer size can be less than or equal to the de Broglie wavelength of an electron in any of the three cartesian directions. An electric field driving electrons in these devices can be extremely high. This converts random carrier motion to a streamlined one, thereby limiting the velocity to thermal velocity or Fermi velocity depending on the degeneracy of the sample. This re-organization of the carrier velocities makes familiar Ohm's law invalid, thereby enhancing the role of high-field velocity saturation in performance evaluation and characterization of nanostructures. The seminar will demonstrate that a higher mobility does

not necessarily lead to a higher saturation velocity showing independence of the saturation velocity on mobility-limiting scattering mechanisms. A review of quantum-mechanical and high-field effects that have impact on the design of optoelectronic devices and other micro-circuits is presented.

About the Speaker:

Professor Vijay K. Arora obtained his Ph. D. degree from the University of Colorado. He is currently a Professor of Engineering Management and Electrical Engineering at Wilkes University. Professor Arora is on the IEEE EDS Publication Committee, the EDS Distinguished Lecturer Program and EDS representative in the IEEE-USA Technology Policy Council. His research interests are in nanotechnology and its applications. Professor Arora has authored or co-authored over 140 papers

on scientific, educational, and entrepreneurial issues. Recently, he was named a Leading Educator of the World 2005.

Location:

Motorola, 1301 Algonquin Rd, Schaumburg, IL. Enter Campus at Gate A (farthest West). Enter Door 13 of the six story building. See maps at <http://ewh.ieee.org/r4/chicago/ed-cas-ssc>

Time:

6:30 p.m. Free Food and Drink
7:00 p.m. Presentation

Reservations:

Please call the IEEE Message Center at (800)898-IEEE or (312)253-4333 by 1:00 PM Tuesday, March 15th.

Information:

Email the Chapter at ed.cas.ssc.chicago@ieee.org or visit <http://ewh.ieee.org/r4/chicago/ed-cas-ssc>

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Evening Meeting

IEEE Fox Valley Subsection

The Technology of I-PASS

Thursday, March 24, 2005

Bruce Whiteside

Senior Systems Engineer at TranCore's
Technical Center in Lisle, Illinois

About the Topic:

I-PASS - Some folks love it, others hate it. Regardless of your opinion about whether Interstate Highways should be Freeways or Tollways, there is a lot of interesting technology that makes the Illinois Tollway I-PASS system work. Mr. Whiteside will provide an overview of the technology used at the lane, at the plaza and on the networks that permit the I-PASS system to handle well over one million transactions per day. As a Senior Systems Engineer with TransCore, the Illinois Tollway's contractor supplying its I-PASS technology, Mr. Whiteside will also preview Open Road Tolling, and other technologies available from TransCore.

About the Speaker:

Mr. Whiteside is a Senior Systems Engineer at TranCore's Technical Center in Lisle, Illinois. He is an award-winning, engineer, manager and inventor with over thirty years of experience in product

development in high technology, networked, microprocessor systems.

As Senior Systems Engineer, Mr. Whiteside provides technical leadership for the development staff of TransCore's toll collection technology used by Illinois Toll Authority's I-PASS system. He is responsible for contributions to process technology, architecture, and feature feasibility analysis. Prior to TransCore, from 1997 to 2001, Mr. Whiteside was one of six Staff Engineers in a 100+ strong development staff of Tellabs' flagship digital cross-connect product line. Before Tellabs, Mr. Whiteside was a Member of Technical Staff at Bell Labs in Naperville, Illinois, where he developed synchronized data base operations in support of CDMA wireless telephony. He also designed and developed PC based performance analysis systems for wireless systems.

Mr. Whiteside has a Bachelor of Science Degree in Engineering and a Masters in Business Administration. He has a U.S. Patent in wireless telephony and is a Senior Member of IEEE's Computer and Communications Societies.

Meeting Location:

IIT's Rice Campus, 201 East Loop Road, Wheaton, Illinois.

Take Rt.56/Butterfield Rd. to first stoplight east of intersection of Butterfield & Naperville roads. Turn north onto East Loop Road (Philips 66 Gas Station on the corner); the campus will be on your right about a block north of Butterfield Road. More detailed directions and a map are available at <http://www.rice.iit.edu/directions.html>

Time:

6:00 p.m. Networking Time
7:00 p.m. Presentation

Reservations: Not required.

Information:

The Fox Valley subsection web page is at www.ieee.org/foxvalley/

Continuing Education:

Professional Engineers: this meeting qualifies for Professional Development Hours.

EMPLOYMENT OPPORTUNITY

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Evening Meeting

IEEE Signal Processing Society Chicago Chapter

Minimum Variance Linear Receivers for Space-Time Block Coded Multi-Access MIMO Systems

Friday, March 25, 2005

Presenter: Alex B. Gershman

Affiliations:

- Dept. of Electrical and Computer Engineering McMaster University, Canada
- Dept. of Communication Systems University of Duisburg-Essen, Germany

Host: Dr. Arye Nehorai

About the Topic:

We consider the problem of joint space-time decoding and multi-access interference (MAI) rejection in multi-user multiple-input multiple-output (MIMO) wireless communication systems, and address the case when both the receiver and multiple transmitters are equipped with multiple antennas and when space-time block codes (STBCs) are used to send the data simultaneously from each transmitter to the receiver. A new linear receiver structure is developed to decode the data sent from the transmitter-of-interest while rejecting MAI, self-interference and noise. The proposed receivers are designed by minimizing the output power subject to constraints which zero-force self-interference and/or preserve a unity gain for all symbols of the transmitter-of-interest. Robust versions of the proposed receivers are also developed based on worst-case performance optimization.

About the Presenter:

Alex B. Gershman received his Diploma and Ph.D. degrees in Radiophysics from the Nizhny Novgorod State University, Russia, in 1984 and 1990, respectively. From 1984 to 1989, he was with the Radiotechnical and Radiophysical Institutes, Nizhny Novgorod. From 1989 to 1997, he was with the Institute of Applied Physics of Russian Academy of

Science, Nizhny Novgorod, as a Senior Research Scientist. From the summer of 1994 until the beginning of 1995, he was a Visiting Research Fellow at the Swiss Federal Institute of Technology, Lausanne. From 1995 to 1997, he was an Alexander von Humboldt Fellow at Ruhr University, Bochum, Germany. From 1997 to 1999, he was a Research Associate at the Department of Electrical Engineering, Ruhr University. In 1999, he joined the Department of Electrical and Computer Engineering, McMaster University, Hamilton, Ontario, Canada, as Associate Professor, where he became a Full Professor in 2002. From 2003 to 2005, he has held a visiting professorship at the Department of Communication Systems, University of Duisburg-Essen, Duisburg, Germany. His research interests are in the area of signal processing and communications with primary emphasis on statistical signal and array processing, adaptive beamforming, spatial diversity in MIMO communications, multiuser communications, and parameter estimation and detection.

He has (co-)authored several book chapters and more than 85 journal and 140 conference papers on these subjects. He has also co-edited two books: High-Resolution and Robust Signal Processing, Marcel Dekker, 2003 (with Y. Hua and Q. Cheng), and Space-Time Processing for MIMO Communications, Wiley, 2005 (with N.D. Sidiropoulos). Dr. Gershman was a recipient of the 1993 International Union of Radio Science (URSI) Young Scientist Award, the 1994 Outstanding Young Scientist Presidential Fellowship (Russia), the 1994 Swiss Academy of Engineering Science and Branco Weiss Fellowship (Switzerland), and the 1995-1996 Alexander von Humboldt Fellowship

(Germany). He received the 2000 Premier's Research Excellence Award of Ontario, Canada, and 2001 Wolfgang Paul Award from the Alexander von Humboldt Foundation, Germany. He is also a recipient of the 2002 Young Explorers Prize from the Canadian Institute for Advanced Research (CIAR) which has honored Canada's top twenty researchers aged forty or under. He is an Associate Editor of IEEE Transactions on Signal Processing and EURASIP Journal on Wireless Communications and Networking and a Member of the Sensor Array and Multichannel Signal Processing Technical Committee of the IEEE Signal Processing Society. He was Technical Co-Chair of the IEEE International Symposium on Signal Processing and Information Technology (ISSPIT), Darmstadt, Germany, December 2003, and Co-Chair of the International ITG/IEEE Workshop on Smart Antennas, Duisburg, Germany, April 2005. He is also Technical Co-Chair of the Fourth IEEE Sensor Array and Multichannel Signal Processing Workshop, to be held in Waltham, MA, USA, in June 2006.

Meeting Location:

Room 1000 SEO
University of Illinois at Chicago
For directions, see <http://www.uic.edu/index.html/visiting.shtml>

Time:

5:00 p.m. Refreshments will be served.

Reservations:

Please RSVP to sps_chicago_info@yahoo.com by Tuesday, March 22.

Information:

For general information on the SPS Chicago Chapter, visit <http://ewh.ieee.org/r4/chicago/sps/>

Evening Meeting

IEEE Chicago/Rockford Consultants' Network
A joint Affinity Group of the IEEE Chicago and Rock River Sections
Pricing Consulting Services • Monday, March 28, 2005

About the Topic:

As engineers we are trained in technology, but often are not well prepared for marketing and selling our services. As independent consultants, finding clients is critical. But knowing how much to charge is also important. Pricing consulting services is as much an art as it is a science. Many different aspects of the job must be considered. This meeting will introduce ten conceptual considerations that you may find helpful when quoting a job or establishing a contract. We will focus on these issues with a roundtable discussion to get real feedback, ideas, and comments from the group. Join us for this lively discussion and improve your contract pricing strategy.

Meeting Location:

Palatine Public Library • 700 North Court St., Palatine IL • 847-358-1216

Dinner Location:

Bakers Square, 270 E. Northwest Highway, Palatine (at the corner of North Court St. just south of the library)

Time:

6:15 p.m. Optional group dinner at Bakers Square (order from the menu).

7:30 to 9:15 p.m. Meeting - Networking session, presentation, and discussion.

Reservations:

Reservations are not required, but in order to anticipate the number of attendees please indicate your intention to attend the dinner/meeting by email to Bob.Abrant@IEEE.org.

Information:

Meetings are usually held on the last Monday of odd-numbered months.

For consulting network information please contact Ben Miller at consultnet@BMillerEngineering.com.

For information about programs contact Bob Abrant at Info@AcumenDesignInc.com or visit the IEEE

Chicago Section calendar at www.ewh.ieee.org/r4/chicago/calendar.html.

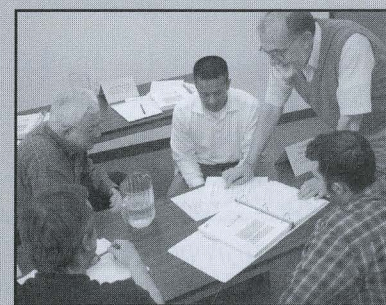
Continuing Education:

Attendance at this meeting will earn 1.0 PDH.

See you on March 28th and bring other consultants, and those aspiring to be consultants, for a pleasant and informative evening of networking. Don't forget to bring business cards.

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To register call Carol at 847-537-6400 or email her at cgorowski@dlsemc.com. For more information click on www.dlsemc.com.

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2005 **January Issue**
Editorial Focus: Circuits and Devices
Space Reservations and Camera Ready
Materials Due: Nov. 25, 2004

February Issue
Editorial Focus: Industrial Applications
Space Reservations and Camera Ready
Materials Due: Dec. 25, 2004

March Issue
Editorial Focus: Communications Technology
Space Reservations and Camera Ready
Materials Due: Jan. 26, 2005

April Issue
Editorial Focus: Electromagnetics and Radiation
Space Reservations and Camera Ready
Materials Due: Feb. 25, 2005

May Issue
Editorial Focus: Education/Universities
Space Reservations and Camera Ready
Materials Due: March 25, 2005

September Issue
Editorial Focus: Energy and Power Engineering
Space Reservations and Camera Ready
Materials Due: July 26, 2005

October Issue
Editorial Focus: Computers
Space Reservations and Camera Ready
Materials Due: Aug. 25, 2005

November Issue
Editorial Focus: Signals and Applications
Space Reservations and Camera Ready
Materials Due: Sept. 27, 2005

December Issue
Editorial Focus: Systems and Control
Space Reservations and Camera Ready
Materials Due: Oct. 25, 2005

*Features subject to change without notice

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