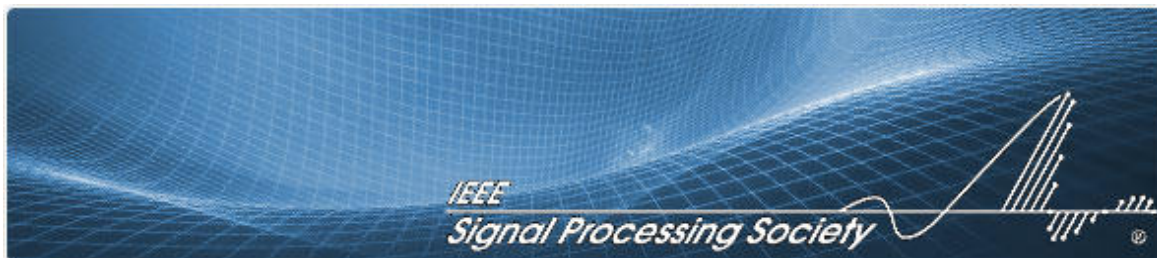


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From the E-Newsletter Team:

We value your input - Take a survey and tell us what you think! Do you like the new look of the eNewsletter? Or prefer a different way of notification? Which news section do you like the most and what would you like to see in eNewsletter? Please take a few minutes to take [this survey](#). We are eager to hear your thoughts.

Please share the Inside Signal Processing E-Newsletter with your colleagues by emailing and bookmarking <<http://enews.ieee-spm.org>> for current and archived issues. IEEE members may manage their subscription to email notification of the Inside Signal Processing E-Newsletter at [this link](#).

1. Society News

Signal Processing Society Members Furui, Goodwin, and Wilson Receive IEEE Technical Field Awards

The 2010 [IEEE James L. Flanagan Speech and Audio Processing Award](#) is being presented to **Sadaoki Furui**. IEEE selected Prof. Furui to receive the award, "for contributions to and leadership in the field of speech and speaker recognition towards natural communication between humans and machines." This award was founded and is sponsored by the IEEE Signal Processing Society.

The 2010 [IEEE Control Systems Award](#) is being presented to **Graham Clifford Goodwin**. IEEE selected Prof. Goodwin to receive the award, "for contributions to the theory and practice of digital and adaptive control."

The 2010 [IEEE Leon K. Kirchmayer Graduate Teaching Award](#) is being presented to **Alan N. Willson, Jr.** IEEE selected Prof. Willson to receive the award, "for exemplary teaching and curriculum development and for inspirational guidance of PhD. student research in the area of circuits and systems."

Nomination Reminders	Deadlines	Links
Election of Members-at-Large of SPS Board of Governors: Members-at-Large represent the member view point in the decision making by the Board of Governors (BoG), which is the governing body that oversees the activities of the IEEE Signal Processing Society. Ballots have been mailed or emailed to SPS members. Your vote is important! Cast your vote today.	September 1, 2009	Read more about BoG election from June 2009 eNews . SPS members can cast their votes by mail, by fax, or by the web .
Nomination of 2009 SPS Major Awards: including Society Award, Technical Achievement Award, Education Award, Meritorious Service Award, Best Paper Awards, Young Author Best Paper Awards, Signal Processing Magazine Best Paper Award, and Signal Processing Magazine Best Column Award.	October 1, 2009	Nomination information can be found online . Read more about award nomination from April 2009 eNews .

2. Conference News

IEEE Thematic Meetings on Signal Processing: A Joint Initiative by SPS Conference and Publication Boards

For nearly sixty years, the IEEE Signal Processing Society has provided its members access to the latest technologies and scientific breakthroughs through the quality of its conferences and publications. In the past, the conference and publication arms of the Society have worked independently for the most part. IEEE Thematic Meetings on Signal Processing ([IEEE-THEMES](#)) is the new joint initiative of the Conference Board and the Publications Board of the Society, and the first THEMES meeting will be held on March 15, 2010, in conjunction with ICASSP in Dallas, Texas, USA. Learn more about this initiative from this [in-depth article](#) by the Chairs of the two Boards. The deadline for paper submission of full-length papers is **October 15, 2009**.

Sign up as E-News Correspondent

The Inside Signal Processing E-Newsletter invites nominations and applications to serve as E-News Correspondents and contribute timely and stimulating articles on SPS conference/workshop and chapter events. Graduate students are welcome! Application for reporting major SPS conference/workshop is due a month before the corresponding event, and should include name, affiliation, contact information, and a list of technical interests; links to writing samples, such as web blogs and articles, are encouraged. Please email applications in plain text to Associate Editor Prof. Z. Jane Wang at <zjanew AT ece.ubc.ca>.

[Signal Processing Conferences: Call for Papers](#)

Conference Name	Location	Date	Tutorial/Special Session	Submission Deadline
IEEE Workshop on Automatic Speech Recognition and Understanding (ASRU'09)	Merano, Italy	Dec. 13-17, 2009	Sept. 24, 2009 (demo proposal)	
IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2010)	Dallas, TX	March 15-19, 2010		September 14, 2009
IEEE Thematic Meetings in Signal Processing (THEMES 2010)	Dallas, TX	March 15, 2010		October 15, 2009
International Symposium on Communications, Control and Signal Processing (ISCCSP 2010)	Limassol, Cyprus	March 3-5, 2010		October 9, 2009
9th ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN 2010)	Stockholm, Sweden	April 12-16, 2010		October 30, 2009
IEEE International Symposium on Biomedical Imaging (ISBI 2010)	Rotterdam, Netherlands	April 14-17, 2010		November 2, 2009
2nd International Workshop on Cognitive Information Processing (CIP 2010)	Elba Island, Italy	June 14-16, 2010		January 10, 2010

IEEE 11th Workshop on Signal Processing Advances in Wireless Communication (SPAWC 2010)	Marrakech, Morocco	June 20-23, 2010		February 1, 2010
IEEE International Conference on Image Processing (ICIP 2010)	Hong Kong, China	September 12-15, 2010	Dec. 11, 2009 (special session) Jan. 11, 2010 (tutorial)	January 11, 2010
IEEE International Workshop on Multimedia Signal Processing (MMSP 2010)	Saint-Malo, France	October 4-6, 2010	March 10, 2010	April 15, 2010

Upcoming Signal Processing Conferences

Conference Name	Location	Advanced Registration	Conference Dates
IEEE Workshop on Statistical Signal Processing (SSP'09)	Cardiff, UK		Aug. 31 - Sep. 3, 2009
6th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS)	Genova, Italy		Sept. 2-4, 2009
IEEE International Workshop on Machine Learning for Signal Processing (MLSP'09)	Grenoble, France		Sept. 2-4, 2009
IEEE International Conference on Ultra-Wideband (ICUWB'09)	Vancouver, CA		Sept. 9-11, 2009
IEEE International Workshop on Multimedia Signal Processing (MMSP'09)	Rio de Janeiro, Brazil		Oct. 5-7, 2009
IEEE Workshop on Signal Processing Systems (SiPS'09)	Tampere, Finland	Aug. 31, 2009	Oct. 7-9, 2009
IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA'09)	New Paltz, NY	Sept. 1, 2009	Oct. 18-21, 2009
IEEE Conference on Sensors (SENSORS'09)	Christchurch, New Zealand		Oct. 25-28, 2009
43rd Annual Asilomar Conference on Signals, Systems, and Computers (Asilomar'09)	Pacific Grove, CA	Oct. 1, 2009	Nov. 1-4, 2009
11th International Conference on Multimodal Interfaces and Workshop on Machine Learning for Multi-modal Interaction (ICMI-MLMI'09)	Cambridge, MA	Sept. 19, 2009	Nov. 2-6, 2009
IEEE International Conference on Image Processing (ICIP'09)	Cairo, Egypt	Sept. 16, 2009	Nov. 7-11, 2009
IEEE International Conference on Signal & Image Processing Applications (ICSIPA'09)	Kuala Lumpur, Malaysia	Sept. 28, 2009	Nov. 18-19, 2009
First IEEE International Workshop on Information Forensics and Security (WIFS'09)	London, UK	Oct. 10, 2009	Dec. 6-9, 2009
IEEE Workshop on Computational Advances in Multi-Channel Sensor Array Processing (CAMSAP'09)	Aruba, Dutch Antilles	Nov. 2, 2009	Dec. 13-16, 2009
9th IEEE International Symposium on Signal Processing and Information Technology (ISSPIT'09)	Ajman and United Arab Emirates	Nov. 1, 2009	Dec. 14-17, 2009

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3. Publication News

Signal Processing Magazine Deadlines ([Magazine website](#))

- [Dimensionality Reduction via Subspace and Manifold Learning](#) – Whitepaper Due **1 November 2009**
- [Distributed Image Processing and Communications](#) – Whitepaper Due **1 December 2009**
- [Columns/Forums](#) rolling submission deadlines

Special Issue Deadlines: Follow [this link](#) for **on-going Special Issues** in SPS journals

Journal of Selected Topics in Signal Processing ([website](#))

- [Signal Processing in Cooperative Cognitive Radio Systems](#) – Deadline: **6 November 2009**
- [Recent Advances in Video Processing for Consumer Displays](#) - Deadline: **4 December 2009**

IEEE Transactions on Audio, Speech, and Language Processing ([website](#))

- [Processing Reverberant Speech: Methodologies and Applications](#) – Deadline: **15 October 2009**

IEEE Transactions on Image Processing ([website](#))

- [Distributed Camera Networks: Sensing, Processing, Communication and Computing](#) – Deadline: **30 August 2009**

IEEE MultiMedia Magazine ([website](#))

- [Multimodal Affective Interaction](#) – Deadline: **1 December 2009**

Recent Issues of SPS Sponsored and Co-sponsored Publications

Journal Title	Latest Issue	Contents (in PDF)	Xplore Link
IEEE Signal Processing Magazine <ul style="list-style-type: none"> • Feature articles on "Bridging the Gap between Signal and Power"; "Automotive Safety Systems"; and "Noncoherent Ultra-Wideband Systems" 	vol. 26, no. 4	PDF	Html
IEEE Transactions on Audio, Speech, and Language Processing	vol. 17, no. 7	PDF	Html
IEEE Transactions on Image Processing	vol. 18, no. 9	PDF	Html
IEEE Transactions on Information Forensics and Security	vol. 4, no. 2	PDF	Html
IEEE Transactions on Signal Processing	vol. 57, no. 9	PDF	Html
IEEE Signal Processing Letters	vol. 16	Recent Articles Html	Html

IEEE Journal of Selected Topics in Signal Processing	vol. 3, no. 4	PDF	Html
<ul style="list-style-type: none"> Advanced Signal Processing for GNSS and Robust Navigation 			
Journal Title	Latest Issue	Contents (in PDF)	Xplore Link
IEEE Transactions on Medical Imaging	vol. 28, no. 8	PDF	Html
IEEE Transactions on Mobile Computing	vol. 8, no. 9	PDF	Html
IEEE Transactions on Multimedia	vol. 11, no. 5	PDF	Html
IEEE Sensors Journal	vol. 9, no. 7		Html
IEEE Transactions on Wireless Communications	vol. 8, no. 7	PDF	Html
Computing in Science & Engineering Magazine	vol. 11, no. 4	PDF	Html
IEEE MultiMedia	vol. 16, no. 2	PDF	Html

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4. TC News

This month we are pleased to bring to you exclusive reports from two of the IEEE Signal Processing Society's Technical Committees:

- Signal Processing for Communications and Networking Technical Committee (SPCOM TC)**

The SPCOM TC aims at illuminating and exploring signal processing challenges in communications and networking, and can be situated at the intersection of the IEEE Signal Processing (SPS), Communications (COMSOC), and Information Theory (IT) Societies. It has recently organized SPAWC 2009 and two symposia at ICASSP 2009. Learn more from this [in-depth report](#).

- Signal Processing Education Technical Committee**

The Education TC is taking leadership to develop and refine the processes of the evaluation, lensing, and maintenance of educational material for the SPS/Connexions open DSP education initiative. The TC has also been actively involved in nominations of deserving colleagues for Society level recognitions, and the TC members were active participants in the annual conference of the American Society for Engineering Education (ASEE). Read more about activity updates from this [exclusive report](#).

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5. Chapter News and Distinguished Lectures

Did you know? IEEE SPS provides travel support for local chapters to invite **SPS Distinguished Lecturers**. See a list of SPS [2008 and 2009 Distinguished Lecturers](#), and bookmark [this link](#) for upcoming SPS Distinguished Lectures near you.

Chapter	Dates	SPS Distinguished Lectures
Central Iowa	7-October-2009	by Prof. Petar M. Djuric (Stony Brook University). Details to be announced. Contact Chapter Chair Aditya Ramamoorthy at [adityar AT iastate.edu] for more information.
Denver, CO	25-September-2009	Prof. Petar M. Djuric (Stony Brook University): "The particle filtering methodology in signal processing". See the announcement for more information.
Greece	17-October-2009	Greek Signal Processing Jam! Full day event features SPS Distinguished Lecturers Profs. Renato De Mori, Sergios Theodoridis and Nikos Sidiropoulos , and three other speakers. See the announcement for more information.
Santa Clara Valley	14-September-2009	Dr. Amy Reibman (AT&T Labs-Research): "Monitoring video quality inside a network". See chapter web site for updates.
Santa Clara Valley	12-October-2009	by Prof. Lang Tong (Cornell University). Details to be announced. See chapter web site for updates.
Southern Minnesota	5-October-2009	Prof. Petar M. Djuric (Stony Brook University): "The particle filtering methodology in signal processing". Contact Chapter Chair Scott Dahl at [ssdahl AT chartermi.net] for more information.
Spain	2-October-2009	by Prof. Sergios Theodoridis (University of Athens). Contact the Chapter Chair Prof. Aníbal R. Figueiras Vidal at [arfv AT tsc.uc3m.es] for more information.
Toronto	27-October-2009	Prof. Sergios Theodoridis (University of Athens): "Adaptive Learning in a World of Projections." See the announcement for more information.
Tunisia	6-November-2009	by Prof. Sergios Theodoridis (University of Athens). Contact the Chapter Chair Mehdi Ellouze at [mehdi.ellouze AT ieee.org] for more information.
Tunisia	27/28-November-2009	by Dr. Cees Snoek (University of Amsterdam). Contact the Chapter Chair Mehdi Ellouze at [mehdi.ellouze AT ieee.org] for more information.
Chapter	Dates	Other Upcoming Events
Santa Clara Valley	21-September-2009	Prof. Sergio Bampi (Universidade Federal do Rio Grande do Sul - UFRGS, Brazil): "Advancements in on-chip H.264/AVC Video Compression." See chapter web site for more information.
Santa Clara Valley	9-November-2009	Dr. Parastoo Nikaeen (Netlogic Microsystems): "Digital Compensation of Dynamic Acquisition Errors at the Front-End of High-Performance A/D Converters." See chapter web site for more information.

If you are interested in organizing a new SPS chapter, or participating in activities in a SPS local chapter near you, please check out [Local Chapter Resources](#). Additional questions and comments can be addressed to the [SPS Chapters Committee](#).

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6. Technical Trends and Standards

Uncovering the Origins of the Universe: Signal Processing and the Large Hadron Collider

In early August 2009, CERN - the European Organization for Nuclear Research in Geneva, Switzerland, announced the putting into operation of the biggest particle accelerator that the world has ever seen: the large hadron collider ([LHC](#)). The LHC will produce two counter-circulating beams of protons in its 27-km

oval tunnel, and the head-on collisions between pairs of protons will produce energy densities comparable to what existed in the Big Bang. It is anticipated that LHC enables studies to help scientists address fundamental questions about our universe and how it evolved.

As exemplified by the LHC's predecessors at CERN that led to the conception of the World Wide Web in 1990, the development of massive research projects such as LHC brings advances in many areas of technology. What is the LHC's impact on signal processing technologies? Learn from the "[In the Spotlight](#)" column article by John Parsons in the July 2009 issue of the IEEE Signal Processing Magazine, which offered an overview of the design challenges surrounding one of the enormous particle detectors.

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7. SP Education and Resources

TechWare on HMM-Based Speech Synthesis Resources

Hidden Markov model (HMM)-based speech synthesis has recently been demonstrated to be very effective in generating high quality speech and started dominating speech synthesis research. A "**Best of the Web**" column article by Heiga Zen and Keiichi Tokuda published in the July 2009 issue of the IEEE Signal Processing Magazine reviews the general speech synthesis technology and then describes HMM-based speech synthesis as well as some useful online resources. [More details](#).

DSP Tips and Tricks: An Efficient Analytic Signal Generator

An article by Clay S. Turner presents a simple way to construct a pair of quasi-linear-phase bandpass filters that have identical magnitude responses and differ in phase by 90° . These filters have interesting symmetry properties and are useful for analytic signal generation. [More details](#) in the July 2009 issue of the IEEE Signal Processing Magazine.

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8. New Ph.D. Thesis

Beibei Wang (University of Maryland, College Park, USA):

"Dynamic Spectrum Allocation and Sharing in Cognitive Cooperative Networks," May 2009.

Advised by Prof. K. J. Ray Liu.

Cognitive radio is an emerging technology in recent years that solves the conflict between limited spectrum resources and increasing user demand. In this dissertation, we investigate several critical issues in spectrum allocation and sharing and address new challenges in realizing cognitive radio. We first propose a stochastic modeling approach for dynamic spectrum access and optimize access probabilities to reduce performance degradation due to interference. Second, we propose an evolutionary game framework for cooperative spectrum sensing with selfish users, and develop optimal collaboration strategies. Further, we study user cooperation enforcement for cooperative networks by modeling the relay selection and power control problem as a Stackelberg game. Finally, we investigate possible attacks on cooperative spectrum sensing and analyze their damage.

Click [here](#) to access the thesis by the author.

Interested in submitting or recommending a recent Ph.D. thesis?

Please prepare the following material and visit the [web submission site](#) to provide your input. Contact Associate Editor Prof. Alessandro Piva at <alessandro.piva AT unifi.it> if you have any questions.

- (1) thesis author's information (full name, contact, current affiliation, URL if available), Ph.D. granting institution, thesis advisor's name and contact information;
- (2) title, URL, and a short summary of the thesis (100-150 words); and
- (3) an email from the thesis advisor to Associate Editor at <alessandro.piva AT unifi.it>, confirming that the author has already successfully defended the Ph.D. thesis and that a final version of the thesis has officially been submitted according to the Ph.D. degree requirements of the author's institution.

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9. New Books

Fragile Networks: Identifying Vulnerabilities and Synergies in an Uncertain World,

By Anna Nagurney and Qiang Qiang, Wiley, 2009.

[Description from the Publisher:](#) With its numerous network examples and real-world applications, this book provides mathematically rigorous, computer-based tools for the assessment of network performance and efficiency, and for robustness and vulnerability analysis. This book approaches the analyses by abstracting not only topological structures of networks, but also the behavior of network users, the demand for resources, the resulting flows, and the associated costs. It can be used as a textbook in network science, transportation science, operations management, and financial networks at the upper-undergraduate and graduate levels, and it can also be a useful references for researchers and practitioners working in many areas such as applied mathematics, finance, and industrial engineering.

Visit the book's [website](#) for table of contents and more information.

Books Featured in Previous Issues [\[details\]](#)

Fundamentals of Radar Signal Processing,
by Mark Richards, McGraw-Hill, 2005.

QRD-RLS Adaptive Filtering,
Edited by Jose Antonio Apolinario Jr., Springer, 2009.

Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods,
By James V. Candy, John Wiley/IEEE Press, 2009.

Mobile Multimedia Broadcasting Standards: Technology and Practice,
Edited by Fa-Long Luo, Springer, 2008.

Pattern Recognition, 4th Edition,
by Sergios Theodoridis and Konstantinos Koutroumbas, Elsevier, 2009.

Handbook of Biosensors and Biochips,
Edited by R.S. Marks, D.C. Cullen, I. Karube, C.R. Lowe, and H.H. Weetall, Wiley, 2007.

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10. Research Opportunities

Joint Postdoc Position on Multimedia Communications and Networking at Simon Fraser University, Canada

A joint postdoc position is available immediately in the School of Computing Science and the School of Engineering Science, Simon Fraser University, Burnaby (Vancouver metro area), British Columbia, Canada. Candidates should have a PhD degree (or be near completion) in a relevant field and a strong research and publication record. Areas of interest include multimedia communications, overlay/peer-to-peer networking, wireless sensor/mesh networking, social networking, image/video coding, multiview video coding, cooperative/joint source channel coding, cross-layer design, distributed source coding, and compressive sensing. The duration of the position is 12 months and may be extended an additional 12 months. Please send your full CV in PDF format to Dr. Jiangchuan Liu (jcliu AT cs.sfu.ca) and Dr. Jie Liang (jli AT sfu.ca).

Research Position Featured in Previous Issue [[details](#)]

- Graduate Research Assistants and Postdoc Positions in Signal/Information/Multimedia Processing, Ryerson University, Canada
- Post-Doc Position on Psychovisual Video Coding at Simon Fraser University, Canada
- PhD Studentship in Trinity College, Dublin, Ireland
- Two-Year Post-Doc position at NICTA Canberra Research Laboratory, Australia
- PhD Scholarship on Neuroimaging based Brain Network Comparison at The University of Groningen, The Netherlands

Job Posting Portals

<http://careers.ieee.org/>

<http://jobs.phds.org/jobs/engineering/>

http://engineering.academickeys.com/seeker_job.php

Interested in advertising graduate scholarship, post-doc positions, or funding opportunities?

Please prepare a short text of the announcement (150-200 words) and visit the [web submission site](#) to enter your input. It is recommended to include the deadline or valid period of the announcement, and an URL for more information such as group/research description and detailed qualification expectation in English. Contact Associate Editor Prof. Alessandro Piva at <alessandro.piva AT unifi.it> if you have any questions. Note that advertisements on faculty and other full-time position are in the domain of IEEE job advertisement (<http://careers.ieee.org/g/>); the IEEE Signal Processing Magazine also provides opportunities for paid advertisement.

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Contributors of articles in this issue:

Engin Erzin (SPE TC), Geert Leus (SPCOM TC), V. John Mathews (VP-Conference), and Ali H. Sayed (VP-Publications).

About the Inside Signal Processing E-Newsletter

Since April 2007, the IEEE Signal Processing Magazine has introduced a new form of publication - the Inside Signal Processing E-Newsletter. This monthly electronic newsletter will complement the bi-monthly Magazine to serve the members in the IEEE Signal Processing Society (SPS). Through email notification and expanded coverage on its website, the E-Newsletter will provide members with timely updates on:

- society and technical committee news,
- conference and publication opportunities, new books, and Ph.D. theses,
- signal processing related research opportunities, and
- activities in industry consortiums, local chapters, and government programs.

The Inside Signal Processing E-Newsletter is a gateway to reach out to signal processing professionals around the world. We invite you to contribute and share your news with tens of thousands of SPS members through this monthly electronic publication with fast turn-around cycle. IEEE members may manage their subscription of the email notification of the E-Newsletter and related SPS announcements at [this page](#). Please bookmark <<http://enews.ieee-spm.org>> for current and archived issues of the Inside Signal Processing E-Newsletter.

Submission Instructions - Contribution for the next issue is due September 10, 2009

Visit the [web submission site](#) to provide your input. Make sure that you include your name, affiliation, email and phone contact information. Contributions submitted by **September 10, 2009** will be considered for inclusion in the **next issue** of the Inside Signal Processing E-Newsletter. Please contact the Associate Editors of the corresponding sections as listed below if you have questions. Your comments and suggestions on the new submission system are welcome.

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Pascal Frossard, *Associate Editor*, EPFL, Switzerland (pascal.frossard AT epfl.ch)
News and activities of SPS Technical Committees, industry consortiums and international standards

Alessandro Piva, *Associate Editor*, University of Florence, Italy (alessandro.piva AT unifi.it)
News and activities in local chapters and research groups (including new Ph.D. theses & research opportunities)

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* Please replace "AT" in the email addresses with @.

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In-Depth E-News Article

Introducing IEEE-THEMES:

A New Kind of Conference from the Signal Processing Society

by V. John Mathews (SPS Vice President-Conference) and
Ali H. Sayed (SPS Vice President-Publications)



For nearly sixty years, the IEEE Signal Processing Society (SPS) has provided its members access to the latest technologies and scientific breakthroughs through the quality of its conferences and publications. In the past, the conference and publication arms of the Society have worked independently for the most part. We are pleased to announce a joint initiative of the Conference Board and the Publications Board of the Society -- IEEE Thematic Meetings on Signal Processing (IEEE-THEMES).

IEEE-THEMES is a one-day meeting, devoted to a specific theme. The first meeting will be held on March 15, 2010 at the Sheraton Dallas Hotel in Dallas, Texas. The theme for this first meeting is *Signal and Information Processing for Social Networking*. More information about the meeting can be found at www.ieee-themes.org.

How is IEEE-THEMES different from other conferences? There are several ways in which the new series will distinguish itself from others. The Proceedings of IEEE-THEMES will be published as a special issue of the IEEE Journal of Selected Topics in Signal Processing ([J-STSP](#)). The papers presented at the meeting will be selected based on a thorough and rigorous review of full-length manuscripts submitted to J-STSP in response to the call-for-papers for IEEE-THEMES. This means that the quality of the papers presented at the conference will be comparable to those in archival journals. We are committed to ensuring the highest quality for all our conferences, and expect IEEE-THEMES to serve as a model for achieving this goal.

IEEE-THEMES will provide a true learning experience to the attendees of the meeting. The meeting will run in a single track (no parallel sections), with each presentation lasting for about 30 minutes. Because the learning aspect of the conference is as important as the novelty of the research results presented at the meeting, we are requiring that the papers be presented by experienced, senior authors of the paper and not students. Of course, students may be first authors, and may present their papers at the meeting if they are sole authors.

For the first time in the history of the IEEE Signal Processing Society, we will provide live feeds of the IEEE-THEMES for virtual attendance. The video and audio feeds from the meeting will also be

available for future downloads.

We have made the cost of attending the meeting as low as possible for members of the Signal Processing Society. For both on-site and virtual attendance, the Society members will receive a 50% discount over the full registration rates. This is a significant reduction over IEEE member rates for registration. This is yet another benefit of membership of the Society.

It is easy for you to attend the first IEEE-THEMES if you are planning to attend ICASSP 2010 in Dallas. The meeting takes place on the day of tutorials at ICASSP. If you are one of many who cannot stay away from work for more than a day, the one-day format may be especially suited for you. For all of you who have a technical interest in social networks or want to learn about signal and information processing in social networks, we look forward to seeing you on site or virtually on March 15, 2010.

About the authors: V. John Mathews is Professor in the Department of Electrical and Computer Engineering at University of Utah, and is SPS Vice President-Conferences. Ali H. Sayed is Professor and Chairman in the Electrical Engineering Department at UCLA, and is SPS Vice President-Publications.

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Technical Committee Updates:

Signal Processing for Communications and Networking (SPCOM) TC

by Geert Leus (SPCOM TC Chair)



The Signal Processing for Communications and Networking Technical Committee (SPCOM TC) aims at illuminating and exploring signal processing challenges in communications and networking, and can be situated at the intersection of the IEEE Signal Processing (SPS), Communications (COMSOC), and Information Theory (IT) Societies.

The SPCOM TC played an active role in organizing two Thematic Symposia at ICASSP09. One symposium dealt with Signal Processing for 4G Wireless. Overview talks were given by Gerhard Fettweis, David Gesbert, and Qing Zhao. The other symposium on Network-Distributed Signal Processing was co-organized by the SAM TC and the SPTM TC, and included the overview speakers Zhi-Quan (Tom) Luo, Martin Vetterli, and Rick Blum. More information on those Thematic Symposia can be found on the [ICASSP09 website](#).

The flagship conference of the SPCOM TC is the IEEE International Workshop on Signal Processing Advances in Wireless Communications ([SPAWC](#)). This year's SPAWC09 was held June 21-24 in Perugia, Italy. The conference was a great success with 146 published papers and 180 registrations. Plenary talks were given by Milica Stojanovic from the Northeastern University, Bhaskar Rao from the University of California at San Diego, Bertrand Hochwald from Beceem Communications, Sergio Barbarossa from the University of Rome "La Sapienza", and Leandros Tassioulas from the University of Thessaly. Some of the slides can be downloaded from the [SPAWC 2009 website](#). Next year, [SPAWC 2010](#) will be held in Marrakech, Morocco, chaired by Mounir Ghogho from the University of Leeds and Ananthram Swami from the Army Research Lab.

For more information, please visit the [SPCOM TC's webpage](#).

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Activity Updates from Signal Processing Education Technical Committee

by Engin Erzin (TC Liaison to E-News)



SPS/Connexions Initiative to be Advanced by Education TC: At the IEEE Signal Processing Education (SPED) Technical Committee meeting at ICASSP 2009 in Taipei, the Committee voted to assume leadership of the SPS/Connexions open DSP education initiative during the interim phase leading to a new Society activity. The Education TC is forming a subcommittee to provide leadership for the initiative as the number of authors and volume of material to be evaluated for "lensing" scales upward, and to develop and refine the processes of their evaluation, lensing, and maintenance. The Education TC will nurture this process with the intent of developing it into a success that will then transition to a new society-wide activity.

The SPED TC has also been actively involved in nominations of deserving colleagues for Society level recognitions. The TC recently nominated two renowned professors with real-world experience as possible candidates for IEEE Distinguished Lecturers. These nominees are not only widely consulted by industry practitioners, but also involve in several new initiatives to enhance the teaching of applied digital signal processing and its implementations. For the IEEE Signal Processing Education Award, the TC has also nominated a candidate who has contributed greatly to the advancement of DSP Education and whose textbooks are widely referenced by many universities worldwide.

SPED TC members were active participants in the annual conference of the American Society for Engineering Education (ASEE), held this past June in Austin, TX. In particular, there was a session devoted to signal processing education sponsored by the Computers in Education Division of ASEE.

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