Min Wu
Editor-in-Chief
minwu@umd.edu

Taking Up the Torch

It will almost be the start of a new year when you receive this issue of *IEEE Signal Processing Magazine* (*SPM*). Happy New Year to you all!

The new year accompanies major changes in *SPM's* management team. The 2012–2014 editor-in-chief, Abdelhak Zoubir, and his capable executive team of senior area editors—Fulvio Gini (special issues), Marc Moonen (feature articles), and Andrea Cavallaro and Andres Kwanski (columns and forums)—have successfully completed their terms in leading the magazine for the past three years. Given the production lead time required for the magazine, much of the technical material in this and the next several issues are attributed to their efforts. My sincere thanks are given for all of their hard work and also for their generous mentoring and assistance to help me ramp up the learning curve!

It is truly an honor and privilege for me to take on the editor-in-chief position of the magazine for the next three years. Joining me to form the new *SPM* executive team are four new senior area editors: Wade Trappe (special issues), Shuguang Robert Cui (feature articles), and Gwenael Doerr and Kenneth Lam (columns and forums), as well as Christian Debes, who was on board last year for the eNewsletter. Together with a dedicated group of associate editors and members of the senior editorial board, we are ready to take the journey to serve you.

SPM reaches over 20,000 readers worldwide across a diverse range of career sectors and is very different from the transactions-type of research journals with a focused scope and audience. I have been an *SPM* subscriber since my senior year in college. The magazine's tutorial

surveys and overview articles gave a student like me a high-quality yet accessible way to take a peek into this incredible field. *SPM* traces its roots back to 1970 as *IEEE Audio and Electroacoustics Newsletter*. Accompanying the expanded technical scope and a then new name of the IEEE Signal Processing Society (SPS), *SPM* in its current name and form was first published in 1991. For a quarter of a century since then, six predecessors leading *SPM* before me have made strong marks in growing *SPM* into a premier publication to serve our signal processing

> **WHILE CITATION IMPACT IS AN IMPORTANT METRIC, THE ROLE AND IMPACT OF *SPM* IS MUCH MORE THAN SCORING WELL IN A CITATION RANKING.**

community. As I take up the torch with awe, I ask myself: what more can be done?

SPM has been a leader in citation impact among 200+ publications in electrical and computer engineering as indexed by the Thomson Reuters' annual *Journal Citation Report* (*JCR*). Over the past decade, *SPM* has made it to the top (multiple times) of *JCR's* "popularity measure" known as the *impact factor*, which is based on the average number of received citations in a given year for each article published in the preceding two years. Also by Thomson Reuters, a newer "prestige measure" known as the *article influence score* accounts for both the citation amount and the influences of the citing journals that have contributed to the citations; by excluding self-citations and considering a longer window of five years, the article influence score is more robust to intentional inflation and accounts for a

longer-term influence. Currently, *SPM* ranks at the top in article influence score among all 250 electrical and computer engineering publications indexed by Thomson Reuters—what an achievement for *SPM's* past editorial teams and authors!

To maintain a high citation impact, *SPM* needs to continue to identify topics of keen interest to the R&D community in the broad areas of signal processing and attract authors who can write timely and high-quality tutorial and survey articles on these topics. This is easier said than done. Citation statistics often have a few years' lag time, so actions taken by an editorial team may not be reflected in the citation until toward the end of a three-year term or well after. But help from you, our readers and community colleagues, can complement the effort by our editorial board, so that together we can sustain a high citation impact for *SPM*. For example, let us know the topics you are interested in learning about; offer us your feedback regarding the articles you see in *SPM*— what aspects you love and what aspects you hope we improve or do differently; for the articles that you find beneficial, help us spread the word by recommending them to colleagues and students, and cite these articles in your relevant writings and presentations. And if you are working on topic areas that may stimulate broad interests, consider proposing the topic for a special issue, a feature article, or a column, and publish in *SPM*!

While citation impact is an important metric, the role and impact of *SPM* is much more than scoring well in a citation ranking. A substantial number of our members and readers are not in academia or industrial academia and do not publish regularly as a major part of their jobs. They include, but are not limited to, industry practitioners as well as undergraduate and

nonresearch-track students. *SPM,* as the Society's only publication going to every member, has a distinguished tradition of offering valuable information to these readers. I will do my best to continue to serve you and make *SPM* an important part of your career advancement and personal enrichment.

In today's well-connected world, what are the best ways for *SPM* to bring signal processing-related information to you? We plan to explore ways both through the content in the traditional magazine format as well as complementary channels such as electronic, online, and social media platforms to bring you useful information. Some of these means may be in cooperation with other SPS publications, boards, and committees. I look forward to learning your thoughts on *SPM* and meeting you in the months to come through SPS conferences, Distinguished Lecturer tours, and other local Chapter events. Until then, I wish you all a healthy and productive new year!

[SP]

ERRATA

In the article "Location-Aware Communications for 5G Networks" by R. Di Taranto et al., *IEEE Signal Processing Magazine*, vol. 31, no. 6, pp. 102–112 [1], math was typeset incorrectly due to a production error in (2) and in the text directly following (5). In (2), a "1" should not appear before the "C" on the left-hand side of the equation. The correct way it should be displayed is as follows:

$$C(\mathbf{x}_i, \mathbf{x}_j) = \mathbb{E}\{\Psi(\mathbf{x}_s, \mathbf{x}_i)\Psi(\mathbf{x}_s, \mathbf{x}_j)\} = \sigma_\psi^2 \exp\left(-\frac{\|\mathbf{x}_i - \mathbf{x}_j\|}{d_c}\right), \qquad (2)$$

In the second line under (5) on page 106, the subscript asterisk should not be followed by a period. The correct way it should be displayed is as follows: in which $\mathbf{k}_*$ is the $N \times 1$ vector of cross-covariances $C(\mathbf{x}_*, \mathbf{x}_i)$ between $\mathbf{x}_*$ and the training inputs $\mathbf{x}_i$.

Also, two authors' names were misprinted. The corrected names are L. Srikar Muppirisetty and Dirk Slock. We apologize for the errors and any confusion they may have caused.

Reference

[1] R. Di Taranto, L. S. Muppirisetty, R. Raulefs, D. Slock, T. Svensson, and H. Wymeersch, "Location-aware communications for 5G networks," *IEEE Signal Processing Mag.*, vol. 31, no. 6, pp. 102–112, Nov. 2014.

3rd China Summit & International Conference on Signal and Information Processing

◆IEEE   IEEE Signal Processing Society   ChinaSIP

July 12-15, 2015
Chengdu, China

The Third IEEE China Summit and International Conference on Signal and Information Processing (ChinaSIP 2015) will be held in Chengdu, China, on 12–15 July 2015. Sponsored by the IEEE Signal Processing Society, ChinaSIP is an annual summit and international conference held in China for domestic and international scientists, researchers, and practitioners to network and discuss the latest progress in theoretical, technological, and educational aspects of signal and information processing. The official language of the conference is English. Prospective authors are invited to submit up to 4 pages in length (with an optional 5th page containing only references). [**www.chinasip2015.org/**]

General Chairs: Dezhong YAO (China), Yingbo HUA (USA)
Technical Program Chairs: Ce ZHU (China), Wenjun ZENG (USA), Haizhou LI (Singapore)

Submission Deadlines: **31 January 2015** (regular full papers), **15 February 2015** (invited papers)