GlobalSIP

5th IEEE Global Conference on Signal and Information Processing

November 14 - 16, 2017, Montreal, Canada

IEEE
Advancing Technology for Humanity

IEEE Signal Processing Society

Call for Symposium Proposals

We invite Symposium proposals for the fifth IEEE Global Conference on Signal and Information Processing (GlobalSIP) which will be held in Montreal, Quebec, Canada on November 14-16, 2017. GlobalSIP is a flagship IEEE Signal Processing Society conference. It focuses on signal and information processing with an emphasis on up-and-coming signal processing themes. The conference features world-class plenary speeches, distinguished Symposium talks, tutorials, exhibits, oral and poster sessions, and panels. GlobalSIP is comprised of co-located General Symposium and symposia selected based on responses to the call-for-symposia proposals. Topics include but are not limited to:

- Signal and information processing for
  - communications and networks, including green communications
  - optical communications
  - forensics and security
  - finance
  - energy and power systems (e.g., smart grid)
  - genomics and bioengineering (physiological, pharmacological and behavioral)
  - neural networks, including deep learning
- Image and video processing
- Selected topics in speech processing and human language technologies

- Human machine interfaces
- Multimedia transmission, indexing, retrieval, and quality of experience
- Selected topics in statistical signal processing
- Cognitive communications and radar
- Graph-theoretic signal processing
- Machine learning
- Compressed sensing and sparsity aware processing
- Seismic signal processing
- Big data and social media challenges
- Hardware and real-time implementations
- Other (industrial) emerging applications of signal and information processing.

Symposium proposals should contain the following information: title; duration (e.g., full day or half day); paper length, acceptance rate; name, address, and a short CV (up to 250 words) of the organizers, including the technical chairs (if any); a 1-page or 2-page description of the topics to be addressed, including timeliness and relevance to the signal processing community; names of (potential) members of the technical program committee; invited speakers' name; a draft call for papers. Please pack everything together in a single pdf document. More detailed information can be found in GlobalSIP2017 Symposium Proposal Preparation Guide.

Proposed Timeline

- ❖ **Jan. 20, 2017**: Symposium proposals due
- ❖ **Jan. 25, 2017**: Symposium selection decision made
- ❖ **Feb. 1, 2017**: Call for Papers for accepted Symposia
- ❖ **May 15, 2017**: Paper submission due
- ❖ **June 30, 2017**: Notification of Acceptance
- ❖ **July 22, 2017**: Camera-ready paper due.

Symposium Proposal Preparation Guide

GlobalSIP: IEEE Global Conference on Signal and Information Processing, a relatively new IEEE Signal Processing Society conference, is motivated by the diversity and the potential synergy in the range of problems in signal and information processing that the technical community is facing today. GlobalSIP is comprised of co-located General Symposium and symposia selected based on responses to the call-for-symposia proposals.

<u>Overview of Technical Symposia at GlobalSIP</u>

The symposia each have its own technical chairs and review processes. The symposia are tied together through co-location, common timing, shared plenary, parallel oral lecture sessions, parallel poster sessions, and a single conference registration fee. There will be one keynote presentation per day held in a single room across the entire conference.

There are a number of important issues and rules to be considered when generating a Symposium proposal:

- Industry Outreach: Each Symposium is required to include at least one industry component (e.g., an industry-academic panel discussion session, a Distinguished Symposium presentation or a regular presentation by an industry leader).
- Distinguished Symposium Presentations/Talks: For each Symposium, there could be a fixed number of invited Distinguished Symposium Presentations (i.e., 1 for half-day Symposium and 2 for one-day Symposium), tutorials, or a panel discussion depending on the preference of the organizers. The talks should be understandable by those somewhat outside the field but do not have to be tutorials.
- Flexible Symposium sessions: Symposium organizers are encouraged to offer oral sessions and poster sessions of a different type than that of a regular paper-focused conference. While having formal regular oral sessions and poster sessions, the organizers are encouraged to propose alternate ways to allow participants to discuss topics related to the Symposium theme. Examples can be panels, group brainstorming sessions, mini-tutorials, paper-less industry presentations, Ongoing Work tracks and proof of concept demonstration sessions.
- Symposium Oral and Poster Presentations: Oral presentations for each paper will be around 15 minutes long. For each poster paper, a standard space of 4 feet x 8 feet will be provided. Each poster session will be 1.5-2 hours in duration, and will consist of 10-20 papers that may be any combination of invited and/or contributed papers. The oral and poster presentations can accommodate different types of submissions:
  - o Accepted regular conference papers (4-6 pages): Such accepted papers will be indexed in IEEE Xplore;
  - o Accepted extended abstracts (up to 2 pages): For paper-less industry presentations and Ongoing Work presentations, prospective authors are required to submit descriptions of the work as extended abstracts (up to 2 pages). Such accepted abstracts will not be indexed in IEEE Xplore, however the abstracts and/or the presentations will be included in the IEEE SPS SigPort.
- Interdisciplinary theme symposia are strongly encouraged.

The proceedings will be published separately, but with a title like: "GlobalSIP –Symposium on (your selected topic)."

<u>Guideline for Symposium Proposals</u>

A complete symposium proposal shall have the following components:

1. Title of the symposium;
2. Length of the symposium;
3. Paper length requirement;
4. Organizers: names, addresses, and a short CV (up to 250 words) of the organizers including the general organizers and the technical chairs of the symposium;

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5. Technical description: a one-page or two-page description of the technical issues that the symposium will address, including timeliness and relevance to the signal processing community;
6. Names of (potential) participants on the technical program committee;
7. Names of the invited speakers;
8. A one-page draft Call for Papers.

Guidelines for these components are provided below. Please email your proposal to the Technical Program Committee (TPC) Chairs, at zjanew@ece.ubc.ca , costas@aiia.csd.auth.gr and daiqh@tsinghua.edu.cn . The deadline for symposium proposals is **Jan. 20, 2017**. For better consideration, proposers are strongly advised to submit their proposals as early as possible.

Structure of a Symposium

Depending on the scope and the number of papers of each proposed symposium, the symposium organizers could choose to have either half-day symposia or one-day symposia, with the following suggested structure:

- Half-Day Symposium: The Symposium lasts for just half-day, consisting of one Distinguished Symposium talk, one oral/poster session and one discussion session if needed.
- One-Day Symposium: The Symposium lasts for just one day, consisting of two Distinguished Symposium talks, one oral session, one poster session and a discussion session (e.g., panel, demo).

The above suggestion just serves to illustrate the proposed sessions in a symposium, and the exact session arrangements of a symposium can be different, to accommodate special requests and to avoid any timing bias or conflict. The expected number of presentations for an oral session is 5 and 10-20 for a poster session. When organizing each symposium, the symposium organizers will be expected to target the number of accepted papers as suggested by taking into consideration of the overall acceptance rate.

Paper Length: One objective of GlobalSIP is to attract people from different communities, especially attracting industry people and student authors The length of regular papers for initial submission can be determined by each symposium; but it must be between 2 – 6 pages. Invited papers can be excluded from the constraint. A limit of 8 pages is recommended for the invited papers.

GlobalSIP 2017 will include industry panels / industry symposia, industry paper-less presentations and Ongoing Work tracks. For Industry and Ongoing Work sessions, prospective authors are invited to submit 2 page descriptions of the work and work in progress, formatted according to the same guidelines as the regular paper. Although we expect 2-page descriptions for Industry and Ongoing Work sessions, the submissions can have up to 6 pages, as in other regular sessions.

Bio Information of the Organizers: A typical symposium proposal will have an organizing committee that consists of One General Chair (or two General Co-Chairs) and one Technical Chair (or up to three Technical Co-Chairs). To evaluate the proposal, the names, addresses, and a short CV (up to 250 words) of each organizer is required.

One-page or Two-Page Technical Description: To evaluate the proposal, a description of the motivation for the symposia is required including technical issues addressed, timeliness and relevance to the signal processing community. Essentially, this description answers the question: Why is this a hot topic?

Plan for the Invited speakers/papers: The plan for the invited speakers/papers must be provided (e.g., including confirmed or potential speakers for the Distinguished Symposium talks, industry presentations, and a list of confirmed paper submissions and potential paper submissions).

Draft Call-for-Papers: A one-page draft call-for-papers is required. Paper submission will be due on **May 15, 2017** and final acceptance decisions on **June 30, 2017**. The header should be something like IEEE Global Conference on Signal and Information Processing – Symposium on your proposed title.