IEEE SIGNAL PROCESSING SOCIETY

CHALLENGE PROGRAM

As a service to the IEEE Signal Processing Society (SPS) community, the SPS Challenge Program offers support to challenge organizers by:

* providing an organizational framework for a five-stage [process from the proposal to the dissemination of results](https://signalprocessingsociety.org/sites/default/files/uploads/publications_resources/docs/SPS_Challenges_Program_Protocol.pdf).
* granting official SPS sponsorship to approved SPS challenges, including use of SPS communication channels.
* promoting dissemination of the results by [publishing challenge overview papers](https://signalprocessingsociety.org/sites/default/files/uploads/publications_resources/docs/Overview_Papers_on_SPS_Challenges_Procedure.pdf) in the journals of SPS.

The SPS Challenge Program is operated by the Challenges and Data Collections (CDC) Committee under the IEEE SPS Technical Directions Board and as such reflects a joint effort of all Technical Committees of the Society. Its fundamental goal is to:

* to encourage and support research with comparable and reproducible results in relevant, timely and impactful signal processing tasks;
* to identify, and to encourage the collection of, appropriate data-sets that embody those signal processing tasks and to support the sharing of such data-sets widely in the community;
* to identify appropriate performance metrics for the relevant tasks and, where appropriate, disseminate standardized tools for computing those metrics;
* to identify the state-of-the-art methods for such signal processing tasks and evaluate their performance comparatively on the identified data-sets; and
* to disseminate the results of challenges and subsequent scientific insights widely within the society and externally.

We hereby invite challenge proposals to be submitted by email to the SPS Challenge Program.

Please note, if a challenge is already underway it cannot be supported by the SPS Challenge Program.

Deadline for challenge proposals: *May 24th, 2024*

Notification of Acceptance: *June 7th, 2024*

Contact: Prof. Dr. Devrim Ünay

E-mail: [devrim.unay@idu.edu.tr](mailto:devrim.unay@idu.edu.tr)

PROPOSAL FORM

1. Name of Challenge

*Define the name of the Challenge.*

1. Challenge Contact Details

*Provide name, email, and affiliation for challenge organizer(s).*

1. Challenge Scope

*Detail the high-level purpose of the challenge. How it fits into the IEEE SPS Challenge Program.*

1. Provide Detailed Overview of the Challenge

*Describe the challenge in detail including its goals and objectives.*

1. Challenge Organizational Details

*Describe the organizational details of the challenge.*

1. Duration of challenge:
2. Hosting site:
3. Datasets and materials:
4. Team eligibility:
5. Evaluations criteria:
6. Awards:
7. Challenge Website:
8. Other:
9. Potential Contributors

*Provide a list of potential contributors that may participate in the challenge, together with their affiliations and contact information. Proposals are usually stronger if they include a potential list of contributors, which demonstrates the importance of the topic.*

1. Sponsors

*List all sponsors or partners that will be involved in the challenge and detail if they are technically, operationally, or financially supporting the effort.*

1. Proposed Funding Request

*The Signal Processing Society will support up to $5,000 for a Challenge. Detail requested funding amount and how much financial support is being provided from other sponsors?*

1. Implementation Plan, Milestones, and Timeline

*Describe how you plan to implement the challenge, describe major milestones, and include a high-level timeline for achieving the milestones.*

1. Proposed Budget

*Detail the proposed budget for the challenge. Modify the budget template as needed.*

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