*IEEE Opportunity Research Scholars Symposium Application*

Last Updated: 1 June 2022

**What is IEEE ORSS?**

IEEE Opportunity Research Scholars Symposium is an online conference that seeks to promote, publish, and reward high-quality, peer-reviewed research that involves undergraduate students. IEEE ORSS runs as an online IEEE conference with submission and production timelines that correspond roughly to the end of the academic school year. Presentation of the work involves both an online presentation video uploaded to the virtual conference as well as certification by the local track chair of a physical presentation.

IEEE ORSS and the multi-disciplinary IEEE Council in RFID are structured to overcome three key difficulties in running a research conference that involves undergraduates: 1) instruction and mentorship for undergraduates to prepare manuscripts and presentations, 2) lack of funds available for undergraduates to travel and attend international IEEE conferences, and 3) large breadth of reviewing expertise to review even a modest number of submissions from broad electrical engineering, computer engineering, and/or computer/data science programs. IEEE ORSS is meant to parallel efforts at local universities that have undergraduate students prepare and present research at an end-of-year event. The goal is to do whatever activity you’ve already been doing with your local undergraduate researchers … but encourage them to get a published paper out of it, too!

**What is Required of an IEEE ORSS Local Track Proposer?**

The proposer must be from an institution that works with competent undergraduate students that are interested in research. *The proposer must be an active member of the IEEE CRFID community and/or its member societies.* Only one application is accepted per institution/region. IEEE CRFID and/or IEEE ORSS organizing committee reserves the right to merge proposals that originate from within the same regional area.

The proposer must be able to provide the following:

* A completed application (at the end of this document).
* Description of a local physical meeting in which research posters/presentations can be made by undergraduate author(s) in addition to their online video.
* Commitment by the proposer to serve as a technical program track chair for *another* local track participant of ORSS.
* Commitment by the proposer to recruit local colleagues to participate in the review process of ORSS papers in Spring of the following year.
* Certification that accepted undergraduate papers have been physically presented by the undergraduate author(s).
* An institutional commitment to contribute to the registration and travel costs for the student winner of the local best paper award to physically attend and present work at the IEEE RFID conference (or equivalent financially co-sponsored IEEE CRFID conference).

**What Does IEEE ORSS Provide?**

The IEEE ORSS organizers and the IEEE Council on RFID will provide the following items:

* Setup and run the online conference management platform for reviewing, production, and publication.
* At the proposer’s request, IEEE ORSS will provide a “test-track” for undergraduates within a local cohort to go through a preliminary round of student-reviews that will not count against their actual submission.
* IEEE CRFID will provide student-rate registration and an honorarium (upon availability of funds) to be applied toward travel expenses for physically presenting best-paper awardee works at IEEE RFID or similarly co-sponsored IEEE CRFID conference series.
* IEEE CRFID will host the master IEEE ORSS web page and keep links, submission info, and organization instructions up-to-date, along with archival information of current and past local events.
* IEEE ORSS will curate workshop videos to instruct students in technical writing, peer review, presentation, and other relevant topics to undergraduate research.
* Publication of all accepted works onto *IEEExplore* as part of the official IEEE ORSS proceedings.

**Approximate Timeline of Proposer Responsibilities**

The following timeline is approximate, subject to change. Please check the website orss.ieee-rfid.org to find the most up-to-date timeline of the current year’s activities. Note that this calendar is mostly aligned to a North American/European academic calendar – but we can accommodate any other academic calendar system (Asian, Pacific, Southern Hemisphere, etc.) provided the local proposer is willing to work loosely within the timeline below:

|  |  |
| --- | --- |
| **Time** | **Task for IEEE ORSS Local Proposer/Participants** |
| August/September | * Your semester begins! |
| October | * Send IEEE CRFID Education Chair Email-of-Intent to participate in coming IEEE ORSS. |
| December | * Submit formal application |
| January | * Confirmation of participation by IEEE CRFID |
| February | * Students continue research work, work through on-demand workshop content |
| March | * Practice review track due (upon request) |
| 1 April | * Submit formal manuscript and video for peer-review |
| 19 April | * Reviews completed and decisions returned to authors |
| 1 May | * Final proof copies of published papers uploaded * Local track best paper awardees announced |
| 1-15 May | * “On-demand” period of online video viewing wraps up |
| June | * Conference wrap-up; accepted papers published in IEEExplore |

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**Proposer Title/Contact:** [Gregory D. Durgin, Professor of Electrical and Computer Engineering, [durgin@gatech.edu](mailto:durgin@gatech.edu)]

**Recent IEEE CRFID Activity:** [Served as VP-Conferences IEEE CRFID 2020-21; active in IEEE CRFID member societies IEEE APS, MTTS, ComSoc]

**Host Institution:** [Georgia Tech, Atlanta, GA]

**Other Local Institutions/Universities to Draw Participation**: [Kennesaw State University, Spellman, Morehouse, University of Georgia, UT-Knoxville, Clemson]

**Approximate Number of Submissions Expected for Next Year:** [20 papers]

**Describe Local Presentation Venue, Anticipated Date and Attendance\*:** [Poster presentation will occur at GT Opportunity Research Scholars banquet in Atlanta, 26 May 2023, 4-7pm at Academy of Medicine/Klaus Atrium. ORS banquet typically has 120-150 attendees.]

\*Note: This is for informational purposes only. The local presentation event is a separate, independent meeting that is not a part of IEEE ORSS. IEEE ORSS is only an online, international conference and is not responsible for any costs, organization, liabilities, or anything else related to a local presentation event.

**Local Track Name:** [Atlanta, GA]

**Do You Want to Create and Run a Practice Review Track for your Local Group?:** [yes]

**Describe Sources/Sponsorships of Funds Available to Send Local Student Best Paper Awardee to Present at IEEE CRFID Conference:**

[The GT ORS Program, GT PURA student research travel grant program, and/or Student Government Association of Home Institution, will provide registration costs and any travel reimbursements not covered by IEEE CRFID.]

**Name, Title, and Contact of Track Chair (to serve for other track):** [Gregory D. Durgin, Professor of Electrical and Computer Engineering, [durgin@gatech.edu](mailto:durgin@gatech.edu)]

**List of Qualified Local Reviewers to Add to IEEE ORSS Reviewing Pool:**

|  |  |  |
| --- | --- | --- |
| **Name** | **email** | **Institution** |
| Greg Durgin | [durgin@gatech.edu](mailto:durgin@gatech.edu) | Georgia Tech |
| Daniela Staiculescu | daniela@ece.gatech.edu | Georgia Tech |
| Azad Naeemi | azad@gatech.edu | Georgia Tech |
| Omer Inan | omer.inan@ece.gatech.edu | Georgia Tech |
| Bernard Kippelen | bk87@gatech.edu | Georgia Tech |
| Abhijmit Chatterjee | abhijit.chatterjee@ece.gatech.edu | Georgia Tech |
| Jen Hasler | jennifer.hasler@ece.gatech.edu | Georgia Tech |
| Ying Zhang | yzhang@gatech.edu | Georgia Tech |
| Doug Yoder | doug.yoder@gatech.edu | Georgia Tech |
| SC Shen | shyh.shen@ece.gatech.edu | Georgia Tech |
| Anurup Saha | asaha74@gatech.edu | Georgia Tech |
| Linda Wills | linda.wills@ece.gatech.edu | Georgia Tech |
| Jim Hamblen | jim.hamblen@ece.gatech.edu | Georgia Tech |
| Joe Hughes | joe.hughes@ece.gatech.edu | Georgia Tech |

**Acknowledge and Initial the Following Terms:**

|  |  |
| --- | --- |
| **Initial** | **Terms** |
| /GDD/ | I acknowledge that IEEE ORSS is a virtual conference that allows undergraduates an opportunity to submit mentored, peer-reviewed manuscripts and videos for online presentation and ultimate publication. No IEEE entity is responsible for any costs, organization, or logistical support of local presentation of this work. |
| /GDD/ | I acknowledge that my local IEEE ORSS participants will verify that all accepted papers from our track are co-authored by at least one undergraduate author and one faculty, PhD, or similarly-qualified mentor. Each accepted paper submission will be required to cover at least 1 online author registration, not to exceed $100, which will be used by IEEE ORSS to cover publication, organization, and/or award costs. |
| /GDD/ | IEEE Council on RFID and/or IEEE ORSS may – depending on participation level, availability of volunteers, and availability of funding, and any other relevant factor –cancel the virtual conference at any time at its discretion. |

**Signature:** [/Gregory D. Durgin/] **Date:** [06/01/2022]