

The 30th IEEE Conference on Signal Processing and Communications Applications (SIU), 2022
Invitation for paper submission for the special session:
Deep Learning Applications for Autonomous Systems

Dear Colleague,

You have been invited to submit your recent work to the special session: “**Deep Learning Applications for Autonomous Systems**” at the 30th IEEE Conference on Signal Processing and Communications Applications (SIU), 2022.

The purpose of this special session is to bring the researchers, startups and companies who work on similar problems together. The conference (and the special session) will be a hybrid conference (online and in-person in Safranbolu, Turkey).

Papers can be submitted in IEEE 4-page format. Accepted papers will be published at IEEE Xplore. Interested researchers, startups and companies can also submit a two-page poster version. Poster submissions will not be published at IEEE Xplore.

The focus areas of the special session are listed below:

- Object detection (on aerial and ground taken images)
- Object / Scene segmentation
- Object tracking
- New and novel data sets
- Route/Path planning
- NLP based voice command systems
- Data fusion
- Remote sensing
- Other applications of deep learning on autonomous systems

Interested researchers should direct their questions to Dr. Sedat Ozer (sedat.ozerozyegin.edu.tr)

- Full paper (4-page) submission deadline: **March 27th, 2022**
- Poster (2-page) submission deadline: **April 8th, 2022**
- Full paper submission site: <https://cmt3.research.microsoft.com/SIU2022>
- Link for the (two-page) poster submissions: <https://forms.gle/wsmuvPphfnZ8LcCMA>
- SIU 2022 Conference website: <https://siu2022.bau.edu.tr/en/>
- SIU 2022 paper submission format is available at <https://siu2022.bau.edu.tr/en/PAPER-FORMAT.html>

In this special session, students can receive two types of awards:

- **First Author Student Award:** Two (2) student authors will receive this special session support award which includes transportation, hotel accommodations and the conference registration fee when their paper is accepted while the student is listed as the first author.
- **First Student Attempt Award:** Among all the authors who made a submission to the special session, ten (10) first-author-students will receive this award covering their conference registration.

The application link for the student awards will be shared with all the paper submitting authors. Question should be directed to Dr. Sedat Ozer (sedat.ozerozyegin.edu.tr).