

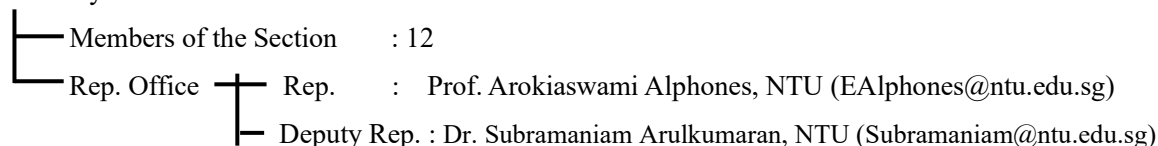
Annual Activity Report of IEICE Singapore Section

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1. Organization

Assembly of the Section



2. Strategy of the Section

The section has been in operation more than a decade. From 2011, the IEICE Singapore Section initiated mainly to mobilize more new members into IEICE Societies by promoting and publicizing the features of IEICE at all meetings and seminars. The section has also encouraged students and industry people to join as a member in the society. The section has also been collaborating with local Universities, Research Institutes and Industries to get its roots into more members. Arranging special Seminars/Talks by Japanese/International experts in Singapore to create a strong worldwide network with the help of IEICE Singapore section. Also it is leveraging the local IEEE Singapore section to support some events organized by IEICE.

3. Membership Development Policy

- Membership drive at all IEICE/IEEE seminars in Singapore
- Briefing various transactions of IEICE and their topics at each seminar
- Joint workshop of industrial and academic researchers for a better networking among them
- A joint international workshop in Singapore sponsored by IEICE
- Keep a table top booth during the conferences held in Singapore for delegates to visit and get to know about it

4. Results of Activities during the 2018/2019 Fiscal Year (Apr 2018 ~ Mar 2020)

4.1 Conference/Symposium/Workshop

IEICE focused in organizing special seminars. The conference/symposium/workshop will be planned in subsequent years provided enough available funds by IEICE.

4.2. IEICE Sponsored Lecture:

During 2018 fiscal year, a special seminar was organized. The special seminar on “*Novel Epitaxial Growth Methods for Nitride Materials with using Plasma Technology*” was held on 26th Feb 2018 at NTU by **Prof. Osamu Oda**.

During 2019 fiscal year, it was planned and executed to have two events in Singapore. This seminar series was held on 9th Dec 2019. Two eminent professors from Japan were invited for the emerging topic on metamaterials and transformation electromagnetics.

1. Cloaking and Illusion Technologies for Advanced Electromagnetic Wave Controls
2. Dispersion Engineering of Nonreciprocal Composite Right/Left-Handed Metamaterials and Their Applications

Prof Sanada from Osaka University delivered the talk on cloaking and Prof Ueda from Kyoto Institute of Technology delivered on dispersion engineering at Nanyang Technological University and had a meeting with researchers working on metamaterials. The titles of the seminars were as mentioned in the above. For the seminars the attendance was good with the participant size of 20. After the seminars they visited the facilities around the University and interacted with research students also. There was an appreciation lunch given to them for the enlightening talks on this upcoming topic.

Many delegates from academia (Students, Researchers and Faculty) and industry (Scientists, Engineers and Managers) joined for this special seminar, and it gave a good platform to share their technical experiences with all the researchers in Singapore (The announcement is attached with this report). The due acknowledgement to IEICE was mentioned before his talk and also the IEICE logo was arranged to appear in all the events including publicity materials and the Seminar Flyer. In the beginning of the seminar, about IEICE history and its chronological development was briefed to the audience.

4.3. The Other Events in Collaboration with IEICE Hqs or Domestic Sections, if Available

No other events were conducted. Need to discuss the opportunities during the International sections meeting.

4.3. Improvement of the Section

To have more interaction in Singapore section, IEICE may jointly organize conference/symposium with the huge IEEE Singapore section. This will also motivate the IEEE members to join in IEICE, Japan. Another option is to sponsor a full/half day session in any of the high impact conference/symposium held in Singapore.

5. Review and Future Plan

(1) Items in 2019 Fiscal Year Plan Which could not be achieved, and Expected Solution

No events planned other than seminar series

(2) Activity Plan in 2020 Fiscal Year

We would like to invite two Eminent Scientists/Researchers from Japan (IOT, Wireless Power Transfer/Energy Harvesting, Power Electronics, Materials Engineering and Telecommunication) to share their experiences/knowledge with Singapore Researchers provided IEICE increase the budget (including local travel expenses). This can potentially motivate the local researchers to take part of the IEICE Singapore Section's current and future events. In addition, this will be a seed to have a closer interaction between both parties and/or to initiate the collaborative research between Singapore Universities/Industries and Japan Universities/Industries. Also it is planned to make the IEICE membership drive to recruit new members and give a talk on the IEICE membership benefits, as well.

6. Constructive Opinion / Requests / Proposal

- If there is a possibility, IEICE can think of extending additional membership discount (~30%) to the existing IEEE members those who would like to join as an IEICE member.
- The section can also think of inviting the other IEICE overseas section professionals to deliver lectures/course in Singapore with full or partial financial support of IEICE.
- IEICE can also think of providing Student Scholarship/Best Paper Award scheme for IEICE members.
- The section would like to request the IEICE, Japan to allot additional funds to support for refreshments when the IEICE sponsored to have a conference in Singapore.
- Full sponsorship to organize half/full day session in a high impact conference/symposium in Singapore.