# 2021 IEEE R10 EXCOM Virtual Meeting
## Date: 10 January 2021

**2020 Industry Relations R10 Committee Report**

**Chris Gwo Giun Lee**
**2019-2020 R10 Industry Relations Committee Chair**

# 2020 Industry Relations Committee Report

## Committee Structure

1. Honorable Advisors: Stefan Mozar, (Australia), Toshihiko Sugie (Japan), Amarnath Raja (India)
2. Chair: Chris Gwo Giun Lee Vice Chair: Amit Kumar
3. Members: Emi Yano (WIE Chair, Japan), Michelle Wang (Fubon, Taiwan), Soumaya Jaber (IEEE South Australian WIE Chair), Suresh Nair (NeST Group, India), Narendra Kumar (U. of Malaya, Malaysia), Satriyo Dharmanto (CEO, Multikom, Indonesia), Chii-Wann Lin (ITRI, Taiwan), Takuo Suzuki (YP Chair, Japan), Nirmil Nair, (PAC Chair, New Zealand)

## Objectives

1. Fostering industry-academia networking platform for bidirectional interactions
2. Industry addresses pain spots & academia provides solutions
3. Students well prepared for industry: real world thesis topics and/or possible internship
4. Industry (including YP & WIE) accesses advanced technologies and talents from academia
5. Recruiting more industry members

## Projects / Tasks

1. Special Industry Track (SIT) organization at:
   i.   TENCON
   ii.  HYDCON
2. Industry Forum organization at
   i.   HTC (Not organized)
   ii.  Life Science Workshop – Tainan (LSW-T)
3. Half Day SIT organization with YP at:
   i.   SYWL

## Budget (in US$)

**Total Approved Budget : $ 38,100**
1. Project 1: **$ 23,600**
2. Project 2: **$ 6,900**
3. Project 3: **$ 7,600**

**Actual Expensed: $ 7,637**
1. Project 1: **$ 7,177**
2. Project 2: **$ 460**
3. Project 3: **$0**

**Remaining Balance: $ 30,463**

## Project / Task Measurable

Project 1 & 2:
1. Responses from industry & academia
2. No. of invited industry speakers w/ high influence/potential
3. No. of Student, YP, & WIE members attended

## Timeline & Metrics

1. Project 1 & 2:
**Timeline:** LSW-T (Dec. 19), HYDCON (Sep. 11), SYWL (Sep. ~ Oct.), TENCON (Nov 18), HTC (Not organized), **Metrices:** Task measurables above

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# Project 1, IEEE HYDCON 2020: Sep. 10$^{th}$ Hyderabad, India

**Special Industry Track:**



IEEE Region 10 Special Industry Track
2020 IEEE-HYDCON

(10th September 2020, Hyderabad, India)

Theme: Fostering Industry / Academia Networking under
Vibrant Industry 4.0 Landscape

IEEE Region 10 Special Industry Track is conceptualized to offer a platform of collaboration and networking for Industry leaders, Research and Academic professionals, Young professionals, practitioners and Women in Engineering. This initiative is aimed to foster skill development required for industries, sessions and internship on disruptive technologies, Industry-Academia collaborations.

www.ieeehydcon.org

**SIT Details:**

- Organized as fully virtual forum as the Region 10 Special Industry Track (SIT) at HYDCON2020

- **Theme**: Fostering Industry/Academia Networking under 2020 IEEE-HYDCON.

- Conceptualized to offer a platform of collaboration and networking for Industry leaders, Research and Academic professionals, Young professionals, practitioners and Women in Engineering.

- 1-day Special Industry Track was focused on Emerging and Disruptive technologies, how industries and tech start-ups preparation towards post COVID-19 situation and the Importance of Woman and Industry panel touching on some key challenges and how women leaders embraced it.

- The full day was attended by 1000+ participants and excellent feedbacks were received.

# Project 1, IEEE TENCON 2020: Nov. 18th Osaka, Japan

## Special Industry Track:



**IEEE Region 10 Special Industry Track**
in TENCON 2020

### Creating new business and vision for SDGs

- Share new trends and vison regarding advanced technologies -

✓ IEEE Region 10 Industry Relations Committee will organize fully online Special Industry Track (SIT) in TENCON 2020.
✓ This SIT will have a special focus on emerging technologies: AI, IoT in Biotech, Manufacturing, Agriculture/Food, Power, 5G, Tech against Coronavirus, etc.
✓ For Start-up Business, Entrepreneur, Internship

◆ **Invited Speech from Industry**

◆ **Panel Discussion**

◆ **Introduction of New Technology and Activities -Presentation, Video, Interview-**

**Online conference**

**Date:**
17th or 18th November 2020
**Time:**
XX:XX to YY:YY

For more information:  https://www.zzzzzzzzzzz

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www.ieee.org

## SIT Details:

- IEEE Region 10 Industry Relations Committee (IRC) organized the fully virtual forum as the Region 10 Special Industry Track (SIT) at TENCON2020

- **Title**: Creating new business and vision for the SDGs.

- focused on the paradigm shift by AI, IoT, Big Data, 5G and COVID-19, and the new business originated by start-up rather than traditional industries and companies

- The SIT attracted more than 80 participants including IEEE member of 60%, industry persons of 54%, and international persons of 30%, and it was a great success

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# Project 2, IEEE HTC 2020: Dec. 1 ~ 3. Sarawak, Malaysia

**Half Day Industry Forum:**
**Was not organized to to time shortage**

**Forum Details:**

- Not Applicable

## Special Industry Track



**IEEE Life Science Workshop-Tainan**

**IEEE Region 10/APSIPA Special Industry Track**
@ International Computer Symposium 2020

December 19, 2020 (Taiwan Time GMT+8)

**Enabling Accessible Health and Wellness via AI Humanity**

Today, COVID-19 continues to disrupt all aspects of our society and everyone's daily life rhythms. Amid lockdowns, working-from-home, and remote learning, especially with elevation of anxiety and mental stress, rapid point-of-care using telehealth including telemedicine and tele-wellness for both physical and mental health care and other pertinent AI technologies have been accelerated with unprecedented demands worldwide.

**CHALLENGES BRING OPPORTUNITIES!**

With these CHALLENGES amid current vibrant environment, this workshop provides a platform for experience sharing of new disruptive OPPORTUNITIES with yet more emphasis on cross pollination between academia & industry in fostering Innovation, Internship & Entrepreneurship for humanity!

*Program Overview:*

- **Industry Forums** for Students, Young Professionals & Women-in-Engineering (SYW) with Industry Leaders sharing pain spots/unmet needs & academia **innovate** together for solutions.
- Cross pollinating Industry and SYW via industry/**entrepreneurs**/Start-ups related sessions
- Industry access to technologies and talents, young professionals women-in-engineering
- Students & young professional Hackathons sharing and skill connect workshops for **Internships**

*Event Information:*

- Date : December 19, 2020
- Time : 8:00 am- 5:00 pm (Taiwan Time, GMT+8)
- Venue : B1 International Conference Hall, International Conference Center, National Cheng-Kung University Guang-Fu Campus, Tainan, Taiwan (No. 1, Daxue Rd., East Dist., Tainan City 701, Taiwan (R.O.C.) )
- Registration: https://reurl.cc/Kjnjyy
- For details, please visit: https://ics2020.ncku.edu.tw/workshop.html

**Registration:**

**Free Admission**

## Workshop Details:

- **Theme**: Enabling Accesible health & Wellness with AI Humanity

- Workshop, co-located with International Computer Symposium 2020, was co-organized with IEEE Region 10 and APSIPA as a Special Industry Track at Tainan, Taiwan as a Physical Conference in Taiwan & Virtual Internationally at International Conference Center, NCKU

- As an initiative in responding to the vibrant Telehealth ecosystem brought forth by pandemics foreseeing directions in Digital Health 4.0

- The workshop had aroused significantly high interests from global attendees and attracted ~694 attendees for the whole day e.g. students, professors, researchers, and many local industry leaders, with 337 onsite and 357 online with high interets

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# Project 3, Young Professional & Student Track @SYWL

**Oct. 03, 2020: [YP2] Entrepreneurship and Industry Engagement**

- For the Entrepreneurship Track, Arjun Ramaswami Palaniappan (Co-Founder, Sepsitron) was invited as the speaker. He talked about the basics of entrepreneurship and share his experiences transitioning into an entrepreneur from a Ph.D. student.

- For the Industry Engagement Track, Shantonu Bhadury (Design Engineering Director, Silicon Labs) and Christian Enoval (Service Manager, Singapore Telecommunications) were invited to give a keynote speech on IoT and 5G Technology.

- The industry speakers hadl also shared about the skillsets that young professionals need to develop in order to succeed in this evolving industry.

**Sep. 23rd, 2020: [Bridging the Gap: Career Development, Employability and Entrepreneurship]**

- Over the years, the skills gap has become dauntingly evident as the perceptions between employers, educators and students change every so often. This webinar focuses on zeroing in on the ways in which this can be improved

- Dr Dejan S. Milojicic, Distinguished Technologist, Hewlett Packard Labs. Past Chair, IEEE Industry Engagement Committee was invited to speak on An Industrialist's Perspective: Education & Employability

- Prof. Saman Halgamuge, Professor – University of Melbourne was invited to speak on Motivating & Articulating A Career in Academia

- Mr. Ken Stauffer, Co-Founder & CEO, Technology Assurance Labs. 2020 Chair, IEEE Entrepreneurship was invited to speak on The Third Way: Becoming an Entrepreneurial Star

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# 2020 IRC Finance Sheet

| Meetings/Remarks | | Travel Expense | | Plaques, Souveniours | | Student Travel Fund | | Industry Speakers | | Total | | Remaining Balance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Budget | Actual | Budget | Actual | Budget | Actual | Budget | Actual | Budget | Actual | |
| 1) TENCON (Nov. 18, Osaka, Japan) Special Industry Track (SIT) | US$ | 1300 | 0 | 1200 | 630 | 10500 | 489.69072 | 3300 | 1200 | 16300 | 2319.6907 | 13980.309 |
| | Qty | 1 | | 1 | | 15 I + 10 L | 19@JPY5000 | | | | | |
| | | | | | | | | | | | | |
| 2) HYDCON (Sept. 11, Hyderabad, India) Special Industry Track | US$ | 1300 | 0 | 500 | 0 | 4000 | 1057.23 | 1500 | 800 | 7300 | 4857.23 | 2442.77 |
| Adjustment: +$3000 (Hackathon: 3 @$500;  Skill Connect: 10 @$150) | Qty | 1 | | 1 | | 5 I + 5 L | 14L @$75.5 | 1 I + 3 L | 4L @$200 | | Adjusted | |
| | | | | | | | | | | | | |
| 3) HTC (Dec. 1-3, Sarawak, Malaysia) Industry Forum | US$ | 1300 | 0 | 500 | 0 | 1500 | 0 | 800 | 0 | 4100 | 0 | 4100 |
| | Qty | 1 | | 1 | | 5 L | | 1 | | | | |
| | | | | | | | | | | | | |
| 4) Life Science Workshop (Dec. 19, Tainan, Taiwan) SIT | US$ | | | 500 | 460 | 1500 | 0 | 800 | 0 | 2800 | 460 | 2340 |
| | Qty | | | 1 | | 5 L | | 1 | | | | |
| | | | | | | | | | | | | |
| 5) SYWL (Sept. 24-27, Bangkok, Thailand) Half Day SIT | US$ | 1300 | 0 | 500 | 0 | 4000 | 0 | 1800 | 0 | 7600 | 0 | 7600 |
| I: International Student ($500),  L: Local Student ($300) | Qty | 1 | | 1 | | 5 I + 5 L | | 2 I + 2 L | | | | |
| I: International Spaeker ($600),  L: Local Speaker ($300) | US$ | | | | | | | | | 0 | 0 | 0 |
| | Qty | | | | | | | | | | | |
| | US$ | | | | | | | | | 0 | 0 | 0 |
| | Qty | | | | | | | | | | | |
| TENCON student fund is still under reimbursement as of Jan. 09, 2021 | USD | | | | | | | | | 0 | 0 | 0 |
| | Qty | | | | | | | | | | | |
| | US$ | | | | | | | | | 0 | 0 | 0 |
| | Qty | | | | | | | | | | | |
| | US$ | | | | | | | | | 0 | 0 | 0 |
| | Qty | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Total | US$ | 5200 | 0 | 3200 | 1090 | 21500 | 1546.9207 | 8200 | 2000 | 38100 | 7636.9207 | 30463.079 |