2019 Region 10 Annual General Meeting, Melbourne

New Initiative on Special Industry Track

Takako Hashimoto, Secretary

Chris Gwo Giun Lee, Chair, Industry Relation Committee,

IEEE Region 10
A professor traveled abroad for a meeting. Impressed by the sight of the beautiful night view, he decided to send a text message to his rather TOUGH wife:

I've had a really wonderful night, and I wish so much you were here

However, the last letter "e" was accidentally omitted... and we lost contact with him after he returns home. No one knows of his whereabouts even till now!
Outline

- Vibrant Industry 4.0
- Mission & Vision
- Fast Changing Landscape
  - Paradigm shift in workplace modality
  - Mobility of Young Professionals
  - Women in Leadership
  - Students equipped with self-learning & metacognitive skills
- Industry Forum
  - Internship
  - Entrepreneurship
- Pain Spots
  - Aging Society
  - Digital Economy
  - Global Warming
- Special Industry Track
- Conclusion
Before Industrial Revolution:
- Innovations in ENERGY and ELECTRICITY brought forth automation resulting in revolutionary changes to traditional Artisan craftsmanship from the social, political, and economical perspectives.
- Artisan workers took a few decades to be re-educated so as to re-enter the new working environment.

Today:
- After INFORMATION explosion resulting in BIG DATA, McKinsey Management Company in US has forecasted on changes brought forth by ARTIFICIAL INTELLIGENCE (AI) to be 10 times faster and 300 times larger in scale as compared to former Industrial Revolution!
- In the 21st century, big corporate style on-the-job training is reducing and the overall ecosystem with more startups and self-employment places more requirements on self-learning and metacognitive skills.
Vision & Mission
Cross pollinate between Industry & academia to foster innovation, internship & entrepreneurship.
Fast Changing Landscape
Paradigm Shift of Job Eco-System through History as Influenced by Technology

- Artisan craftsman
- Family business
- From father to son

- Startups as new work environment

- Machine Era
- Tools
- Factories

- Information
- Big Data, Artificial Intelligence

- Manufacturing
- Automation
- Labor
Mobility of Young Professionals

Grasping international trend in creating your own future
Women in Leadership

Gita Gopinath
Chief Economist, IMF

- Gita Gopinath was a tenured economics professor at Harvard
- An expert on trade, exchange rates, monetary policy and public debt
- Second Indian to take over the role of chief economist after Raghuram Rajan
- Critic of the Modi government's demonetisation initiative
You never get enough education

- **Self learning**: learn how to learn
- **Metacognitive skills**: thinking about thinking, aware of your awareness....
Self Learning: Reading Broad & Deep
Metacognitive Skills:

- **Explore**
  - Reach out & observe

- **Organize**
  - Data/info collection

- **Read**
  - Data/info filtering

- **Analysis**
  - Data comparison, analysis

- **Find Problems**

- **Problem Solving**
Industry Forum
Industry Forum: Networking for Industry & SYW

- Fosters ENTREPRENEURSHIP
- Industry leaders address PAIN SPOTS
- Academia brainstorm & INNOVATE solutions
- Industry get new technology, talents
- Academia work on real world problems
- Students get INTERNSHIP
- Fosters ENTREPRENEURSHIP
Internship

Easing students career path to the industry
Entrepreneurship

Fundamentals of startup for SYW from industry leaders, investors, VCs
Pain Spots
Special Industry Track
Special Industry Track:
Prof. Takako Hashimoto, Dr. Suresh Nair & Prof. S. M. Sameer

- Matchup with industry leaders, investors, VCs
- Le Meridien
- Kochi Kerala India
- Oct. 17-20, 2019
- Joint team efforts: IRC/PAC & SYW
- Thesis Topics
- Industry Sponsorship
- Further matchup with SYW
YOU are the beginning of changes

Reach out boldly to embrace the world
Let’s change the world together!

讓我們一起改變世界!