

Industry-UCB-UEC Workshop 2018 (IUUWS 2018)

1. **Date:** November 13-14, 2018
2. **Venue:** Seminar Room in 3110 Etcheverry Hall , The University of California, Berkeley
3. **Workshop Schedule**

Workshop Day 1: November 13 (Tues)

- | | |
|--------------|---|
| 10:00 -10:30 | Registration |
| 10:30 -10:35 | Opening Address:
Prof. Kazuo UCHIDA, Executive Committee Chairman of IUUWS
Department of Computer and Network Engineering, Graduate School of Informatics and Engineering, UEC |
| 10:35 -10:45 | Welcome Speech:
Prof. Masayoshi TOMIZUKA
Department of Mechanical Engineering, Associate Dean of College of Engineering UCB |
| 10:45 -11:25 | Plenary Talk:
“Academia-Industry Collaboration Driven by SDGs” Dr. Haruo TAKEDA, Corporate, Officer, Corporate Chief Engineer, Research & Development Group, Hitachi, Ltd.
(Speech: 30min. /Q and A: 10min.) |
| 11:25 -12:25 | <u>Session 1</u> (Bio-Engineering) |
| 11:25 -11:55 | 1. ” Daylight-triggered, passive and sustained delivery of therapeutically-relevant doses of the glaucoma drug timolol from a contact lens” Prof. Gerard Marriott, Department of Bioengineering, UCB |
| 11:55 -12:25 | 2. ” Advantage of NIR bioluminescence for in vivo imaging” Dr. Nobuo. Kitada, Department of Engineering Science, UEC |
| 12:25 -13:30 | Lunch Break |
| 13:30 -14:30 | <u>Session 2</u> (Semiconductor Materials and Systems) MEMS |
| 13:30 -14:00 | 1. ”Multi-Dimensional Gas Sensing Patterns of Graphene FETs” Takeshi Hayasaka, Ph.D. candidate in Prof. L. Lin group, Berkeley Sensor and Actuator Center (BSAC) and Department of Mechanical Engineering, UCB |
| 14:00 -14:30 | 2. ”Micro/Nano Fabrication Environment in UEC, Plasmonic and Metamaterial Devices for Optical Sensor Applications,” Associate Professor Tetsuo Kan, Department of Mechanical Engineering and Intelligent Systems, UEC |

14:30 -14:50 Coffee Break (20min.)

14:50 -15:30 Keynote Talk1 :

“A Consideration on The Recent Lighting Environments and Japanese Traditional Lighting as a Methodology to the Sustainable Society with SSL Technology”

Mr. Goro Terumichi, CEO, ModuleX Inc. Japan

(Speech: 30min. / Q and A: 10min.)

15:30 -16:30 Session 3 (Future Luminary for Sustainable Society)

15:30 -16:00 1. “Development of Melanopic-Rich LED light source for Circadian Entrainment” **Mr. Robert Soler, VP Human Biological Technologies and Research, BIOS lighting, US**

16:00 -16:30 2. “Simulation in Daylighting Design” **Prof. Susan Ubbelohde, Department of Architecture, UCB**

16:30-16:40 Closing session remark

Professor. Dana Buntrock, Dept of Architecture +Chair, Center for Japanese Studies, UCB

Workshop Day 2: November 14 (Wed)

9:30 -10:00 Registration

10:00 -10:40 Keynote Talk 2:

“Xilinx Adaptable Intelligence for Advanced Driver Assistance and Autonomous Systems”

Mr. Dan Isaacs, Director of Automotive Business Unit, Xilinx, US

(Speech: 30min. / Q and A: 10min.)

10:40 -11:40 Session 4 (Introduction of UCB and UEC Research Activities)

10:40 -11:10 1. “UCB College of Engineering, Models of International Partnerships” Anthony St. George,

Ph.D. Assistant Dean, International and Corporate Partnerships College of Engineering, UCB

11:10 -11:40 2. “UEC Strategy, “D, C and I” to a Super Smart Society” Prof. Sei-ichi SHIN Dean, School of Informatics and Engineering, UEC

11:40 -12:50 Lunch Break

12:50 -13:30 Keynote Talk3:

“Scene Application of Service Robot + AI”

Mr. Yugang Song, CEO, Suzhou Pangolin Robot Corp.,Ltd , China)

(Speech: 30min. / Q and A: 10min.)

13:30-15:00 Session 5 (Robotics and Engineering for High-Quality Life Services)

13:30-14:00 1. “Robotics Research at the University of California, Berkeley”

Prof. Masayoshi TOMIZUKA, Department of Mechanical Engineering, UCB

14:00-14:30 2. “Constructing Breakthrough Technology: Human Coexistence with General Artificial

Intelligence “Prof. Satoshi Kurihara, Faculty of Science and Technology, Keio University

14:30-15:00 3. “Developing a Mobile App for Cars “

Mr. Justin Sinaguinan, Honda R&D Americas, Inc.

15:00-15:20 Coffee Break (20mi)

15:20-15:30 Closing Remark,

Prof. Kazushi Nakano, Member of the Board of Directors, UEC

Lab tour

- LBL

- ?Robotics Labs

- ?MEMS???

- Sensor and Actuator Center (BSAC)?

etc.