Program of the 2nd International TADF Workshop

July 19-21, 2017, Fukuoka, Japan

Day 1 Wednesday, July 19

Venue: Shiiki Hall, Kyushu University

8:00 **Registration**

Opening Remarks

9:00 **Prof. Chihaya Adachi** *Kyushu University*
Dr. Christopher J Savoie *Kyulux Inc.*

Session 1

9:20 *Introductory lecture
Prof. Katsumi Tokumaru
Professor Emeritus, University of Tsukuba
"Thermally activated delayed fluorescence (TADF): Exploring the past to get insights into intersystem crossing"

9:50 **Prof. Hironori Kaji**
Kyoto University
"*In silico* discovery of highly efficient dry and wet processable TADF materials for blue-to-green OLEDs"

10:35 ***Coffee Break***

10:45 **Prof. Hartmut Yersin**
University of Regensburg
"Design strategies for highly efficient organic and organo-metallic TADF compounds and beyond"

11:45 **Lunch**

Session 2

13:05 *Industrial lecture 1
Mr. Masahiko Suzuki
Japan Display Inc.
"Evolution of OLED display for next generation"

13:40 **Dr. Takuya Hosokai**
National Institute of Advanced Industrial Science and Technology
"Excited-state dynamic, photophysical properties, and chemical structure of highly efficient TADF molecules"

14:25 **Prof. Takuji Hatakeyama**
Kwansei Gakuin University
"HOMO-LUMO separation by multiple resonance effect toward ultrapure blue TADF materials"

15:10 ***Coffee Break***

15:25 **Prof. Jian Li**
Arizona State University
"The development of metal assisted delayed fluorescent (MADF) emitters for OLED applications"

16:10 **Prof. Fengling Song**
Dalian University of Technology
"Fluorescein derivative with TADF for time-resolved fluorescence imaging"

16:55 **Prof. Jian Zhang**
University of Nebraska-Lincoln
"Organic thermally activated delayed fluorescence materials for photocatalytic organic synthesis"

17:40 **Poster Session and Exhibition**

18:40 **Workshop Banquet at ITRI ITO**

Day 2 Thursday, July 20

Venue: Shiiki Hall, Kyushu University

Session 3

8:30 **Prof. Jean-Luc Bredas**
Georgia Institute of Technology
"Novel design strategy for efficient thermally activated delayed fluorescence (TADF) organic emitters: From twisted to planar structures"

9:15 **Prof. Ken Onda**
Kyushu University
"Structural change of TADF materials in the excited states studied by time-resolved infrared spectroscopy"

10:00 ***Coffee Break***

10:15 **Prof. Chun-Sing Lee**
City University of Hong Kong
"Biomedical applications of molecules with delayed fluorescence"

11:00 **Prof. Tadaaki Ikoma**
Niigata University
"Time-resolved electron spin resonance of TADF molecules"

11:45 **Lunch**

Session 4

13:05 *Industrial lecture 2
Dr. Hsiaowen Hung
BOE Display Technology Co., Ltd.
"OLED in BOE"

13:40 **Prof. Yun Chi**
National Tsing Hua University
"TADF emitters with boron-containing accepting unit"

14:25 **Prof. Andrew Monkman**
Durham University
"100% efficient OLEDs using thermally activated delayed fluorescence; Vibrational coupling in TADF and how resonance between energy levels yields efficient OLEDs"

15:10 ***Coffee Break***

15:25 *Industrial lecture 3
Mr. York Tsai
WiseChip Semiconductor Inc.
"Presentation title to be announced"

16:10 **Prof. Hisahiro Sasabe**
Yamagata University
"High-performance pyrimidine-based TADF emitters realizing pure blue-to-green emission"

16:50 **Prof. Jun Yeob Lee**
Sungkyunkwan University
"Molecular engineering of host and emitters for blue thermally activated delayed fluorescent devices"

Day 3 Friday, July 21

Venue: Co-Evolutional Social Systems Building 2F

Session 5

8:30 **Prof. Hiroyoshi Naito**
Osaka Prefecture University
"Optical properties of thermally activated delayed-fluorescence emitters: Importance of a higher triplet excited state"

9:15 **Dr. P. Rajamalli**
University of St Andrews
"Pyridine derived TADF emitters for blue OLEDs and their application towards gelation"

10:00 ***Coffee Break***

10:15 **Prof. Jang-Joo Kim**
Seoul National University
"Conventional fluorescent dye based OLEDs toward EQE of 30%"

11:00 **Prof. Chung-Chih Wu**
National Taiwan University
"Composition dependent TADF characteristics and electroluminescence

11:45 **Lunch**

Session 6

13:05 *Industrial lecture 4
Dr. Kathleen O'Connell
The Dow Chemical Company
"Advances in next generation display materials"

13:40 **Dr. Chao Wang**
Zhejian University
"Descriptor-tuned TDDFT for the calculation of TADF molecules"

14:25 **Dr. Dongdong Zhang**
Tsinghua University
"Highly efficient thermally activated sensitizing fluorescent OLEDs"

15:10 ***Coffee Break***

15:25 **Prof. Chihaya Adachi**
Kyushu University
"Diversity of TADF Technology in OLED and organic lasers"

16:10 *Industrial Lecture 5
Mr. Junji Adachi
Kyulux, Inc.
"Materializing the future of OLEDs"

16:45 **Closing Remarks**