



The 3rd International Summer Course and Workshop on

Development of Ultrafast Lasers and The Applications in Quantum Matter

Time: Aug. 4-5, 2014

International Conference Hall (B1), Science Building III, NCTU

國立交通大學基礎科學教學研究大樓 B1 次軒廳

Recent development of ultrafast lasers and light sources have opened new routes of research and aroused novel applications in quantum matter. Our aim is to have this workshop serve as a forum for researchers and students in relevant fields to present their results and exchange ideas, and hopefully future collaborations will be stimulated. Adhered to our tradition, the workshop is preceded by the summer course, and comprises eight invited talks that are delivered by renowned scholars. We are very much delighted to see the broad while coherent flavors of these talks with topics ranging from development of ultrafast lasers and light sources to their applications in quantum matter. At the end, we would like to take this opportunity to express our sincere gratitude to the speakers who spend their valuable time to contribute to the summer course and workshop. We are also thankful to all participants. Your active participation certainly makes the summer course and workshop an exciting scientific feast.

On behalf of the organizing committee
Takayoshi Kobayashi

8/4 Wednesday, Summer School

8:30-9:20	Registration (Room 001, Science building III)
9:20-9:30	Open remarks
9:30-11:10	Dr. Michael Woerner (Max-Born Institute, Germany) Femtosecond x-ray diffraction
11:00-11:10	Coffee & Free Discussion
11:10-12:40	Prof. K. Minoshima (University of Electron-Communications, Japan) Fundamentals and applications of frequency combs for high-accuracy optical metrology
12:40-14:00	Lunch & Free Discussion
14:00-15:30	Prof. K. Misawa (University of Agriculture and Technology, Japan) Femtosecond pulse shaping and its application to coherent Raman microscopy
15:30-16:00	Coffee & Free Discussion
16:00-17:30	Prof. M. Yoshizawa (Tohoku University, Japan) Multi-pump femtosecond spectroscopy and its application to primary process of photosynthesis
17:30-18:00	Closing remarks

8/5 Thursday, Workshop

8:30-9:20	Registration (Room 001, Science building III)
9:20-9:30	Open remarks
9:30-10:15	Dr. Michael Woerner (Max-Born Institute, Germany)
10:15-10:45	Coffee & Free Discussion (Group Photo)
10:45-11:30	Prof. M. Yoshizawa (Tohoku University, Japan)
11:30-12:15	Dr. Kunk-Hsuan Lin (Academia Sinica, Taiwan)
12:15-13:30	Lunch & Free Discussion
13:30-14:15	Prof. Shang-Da Yang (National Tsing Hua University, Taiwan)
14:15-15:00	Prof. K. Minoshima (University of Electron-Communications, Japan)
15:00-15:30	Coffee & Free Discussion
15:30-16:15	Prof. K. Misawa (University of Agriculture and Technology, Japan)
16:15-17:00	Dr. Wen-Pin Hsieh (Academia Sinica, Taiwan)
17:00-17:45	Dr. Y. M. Sheu (Center for Emergent Matter Science,RIKEN, Japan)
17:45-18:00	Closing remarks

Organizers

Center for Interdisciplinary Science
Advanced Laser Research Center
Physics Division, National Center for Theoretical Sciences
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