

The 8th Workshop on Extreme Photonics "Ultrafast meets ultracold"

program

November 11-12, 2008

Hotel Takeshima, Gamagori, Japan

Day One (Tuesday, November 11, 2008)

12:55 – 13:00	Opening address Kenji Ohmori (IMS)		
13:00 – 13:40	【S1】 Katsumi Midorikawa (RIKEN) "Recent Progress on XUV and Attosecond Science in RIKEN"	Chair:Akiyoshi Hishikawa	1
13:40 – 14:20	【S2】 Yasuhiro Ohshima (IMS) "Coherent rotational/vibrational dynamics of molecules induced by intense ultrafast laser fields"	Chair:Akiyoshi Hishikawa	2
14:20 – 14:40	Coffee break		
14:40 – 15:20	【S3】 Kenji Ohmori (IMS) "Ultrafast Coherent Control of Picometric Quantum Ripples in Molecules"	Chair:Katsumi Midorikawa	4
15:20 – 16:20	【S4】 Moshe Shapiro (University of British Columbia) "Theory and experiments of population transfer by a train of ultrashort pulses, photoassociation, and the control of intramolecular dynamics"	Chair:Katsumi Midorikawa	5
16:20 – 16:30	Break		
16:30 – 17:30	【S5】 John Doyle (Harvard University) "Cold Molecules, Collisions and Interactions"	Chair: Kenji Ohmori	6
17:30 – 19:10	Poster Session		
19:30 ~	Banquet		

Day Two (Wednesday, November 12, 2008)

9:00 – 9:50	【S6】 Kang-Kuen Ni (JILA) "A High Phase-Space-Density Gas of Polar Molecules"	Chair: Yasuhiro Ohshima	7
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9:50 – 10:40	【S7】 Shin Inouye (The University of Tokyo) "Toward ultracold bosonic polar molecules: ^{41}K - ^{87}Rb "	Chair : Yasuhiro Ohshima	8
10:40 – 11:00	Coffee break		
11:00 – 11:50	【S8】 Takashi Mukaiyama (Japan Science and Technology Agency) "BCS-BEC crossover in a gas of ultracold Fermionic atoms"	Chair: Akira Suda	9
11:50 – 12:00	Closing remarks Yasuhiro Ohshima (IMS) and Katsumi Midorikawa (RIKEN)		