

# The James Sullivan Workshop on Atomic and Molecular Sciences and their Applications

Organized by the Sophia Atomic and Molecular Science Group

(Y. Azuma, M. Hoshino, N. Kuze, S. Nanbu, K. Okada, K. Takahashi, and H. Tanaka)

Date: 29 January (Sat), 2011      Room: 3-325 (Bldg. #3, Sophia Univ.)

13:15 – 13:30 (15 min)

Yoshiro AZUMA (Sophia University, Tokyo)

*“Opening Address”*

13:30 – 14:05 (35 min)

Noriyuki KOUCHI (Tokyo Institute of Technology, Tokyo)

*“Generation of entangled H(2p) pair in the photodissociation of H<sub>2</sub> and its dynamics”*

14:05 – 14:25 (20 min)

Izumi TSUTSUI (KEK, Tsukuba)

*“Comments on the entangled H(2p) pair generation experiment at the Photon Factory, viewed from the foundation of quantum mechanics”*

14:25 – 15:00 (35 min)

Ken WADA (KEK, Tsukuba)

*“Present Status of IMSS – The Slow Positron Facility at KEK”*

15:00 – 15:30 Coffee Break (30 min)

15:20 – 15:30 (10 min)

*“Professor Sullivan, our beloved teacher”* (Informal talk over coffee)

By undergrad. students of Sophia University

15:30 – 15:50 (20 min)

Masamitsu HOSHINO (Sophia University, Tokyo)

*“Negative ion formation of F<sub>2</sub>CO by dissociative electron attachment”*

15:50 – 16:10 (20 min)

Brian O’ROURKE (AIST, Tsukuba)

*“Generation of Pulsed, Slow Positron Beams using Electron Accelerators”*

16:10 – 16:30 (20 min)

Kazuaki NAGUMO (Tokyo University of Science, Tokyo)

*“Measurements of the total cross sections for positron-helium scattering under the magnetic field-free condition”*

16:30 – 17:05 (35 min)

James SULLIVAN (Australia National University, Australia)

*“Positron scattering from Krypton”*

17:05 – 17:20 (15 min)

Speaker to be announced.

*“Concluding Remarks”*

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