List of Poster Presentations

P-1 **Optimal control approach for designing pulses to generate quantum gates of molecular qubits under strong inhomogeneous electric fields**

Kenta Arai and Yoshiyuki Ohtsuki (*Department of Chemistry, Graduate School of Science, Tohoku University*)

P-2 **Population inversion in a strongly driven two-level system at far-off resonance**

Youyuan Zhang, Erik Lötstedt, and Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo*)

P-3 **Extended multiconfiguration time-dependent Hartree-Fock method applied to laser-driven H_2^+**

Erik Lötstedt, Tsuyoshi Kato, and Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo*)

P-4 **Asymmetry flip of photoelectrons ejected by intense circularly polarized few-cycle laser pulses**

S. Fukahori[1], K. Yamanouchi[1], G. G. Paulus[2] ([1]*Department of Chemistry, School of Science, The University of Tokyo,* [2]*Institut für Optik und Quantenelektronik, Friedrich-Schiller-Universität Jena*)

P-5 **Intramolecular electronic flux during adiabatic attosecond charge migration**

Yonggang Yang[1], Dennis J. Diestler[2,3], Hao Ding[1], Gunter Hermann[2], Kurt Homann[2], Chunmei Liu[2], Dongming Jia[1], Jörn Manz[1,2], Beate Paulus[2], Vincent Pohl[2], Jean Christophe Tremblay[2] ([1]*State Key Laboratory of Quantum Optics and Quantum Optics Devices, Institute of Laser Spectroscopy, Shanxi University,* [2]*Institut für Chemie und Biochemie, Freie Universität Berlin,* [3]*Department of Agronomy & Horticulture, University of Nebraska-Lincoln*)

P-6 **An analysis on relativistic electron beams produced by an ultra-intense circularly polarized Laguerre-Gaussian laser pulse**

Hoon Song[1,2], Ki Hong Pae[1,3], Chul Min Kim[1,3], Chang Hee Nam[1,2] ([1]*Center for Relativistic Laser Science, Institute for Basic Science,* [2]*Department of Physics and Photon Science, Gwangju Institute of Science and Technology,* [3]*Advance photonics Research Institute, Gwangju Institute of Science and Technology*)

P-7 **A hybrid phasing method for high-power, tiled-aperture coherent beam combining**

Chun Peng,[1,2] Xiaoyan Liang,[1,3,4,5] Renqi Liu,[1,2] Wenqi Li,[1,2,4] and Ruxin Li [1,4,6] ([1]*State Key Laboratory of High Field Laser Physics, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences,* [2]*University of Chinese Academy of Sciences,* [3]*IFSA Collaborative Innovation Center, Shanghai Jiao Tong University,* [4]*School of Physical Science and Technology, ShanghaiTech University*)

P-8 **Attosecond photoionization of chiral molecules**

S. Beaulieu[1,2], A. Comby[1], A. Clergerie[1], J. Caillat[3], D. Descamps[1], N. Dudovich[4], B. Fabre[1], R. Géneaux[5], F. Légaré[2], S. Petit[1], B. Pons[1], G. Porat[4], T. Ruchon[5], R. Taïeb[3], V. Blanchet[1] and Y. Mairesse[1] (*[1] Université de Bordeaux - CNRS - CEA, CELIA, [2] Institut National de la Recherche Scientifique, [3] Université Paris-Sorbonne, UPMC Université Paris VI, [4] Department of Physics of Complex Systems, Weizmann Institute of Science, [5] LIDYL, CEA, CNRS, Université Paris-Saclay*)

P-9 **CEP dependence of H migration in methanol in a few-cycle laser pulse**

Q. Zhang[1], S. Fukahori[1], T. Ando[1], A. Iwasaki[1], K. Yamanouchi[1], T. Rathje[2], G. G. Paulus[2] (*[1]Department of Chemistry, School of Science, The University of Tokyo, [2]Institut für Optik und Quantenelektronik, Friedrich-Schiller-Universität Jena*)

P-10 **Fourier transform spectroscopy of methanol cation using intense near infrared few-cycle laser pulses**

Toshiaki Ando, Atsushi Iwasaki, and Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo*)

P-11 **Butadiene in intense laser fields by the time-dependent configuration-interaction method**

Wenhong Yang,[1,2] Erik Lötstedt,[2] Kaoru Yamanouchi[2] (*[1]Institute of Chemistry, Chinese Academy of Sciences, [2]Department of Chemistry, School of Science, The University of Tokyo*)

P-12 **Resonantly-enhanced filamentation in gases**

J. Doussot, G. Karras, F. Billard, E. Hertz, B. Lavorel, P. Béjot, and O. Faucher (*Laboratoire Interdisciplinaire Carnot de Bourgogne (ICB)*)

P-13 **LIMAO: a cross-platform software for simulating the laser-induced alignment and orientation dynamics of linear-, symmetric- and asymmetric tops**

Tamás Szidarovszky,[1], Maho Jono,[2] Attila G. Császár,[1,3] and Kaoru Yamanouchi[2] ([1]*Laboratory of Molecular Structure and Dynamics, Eötvös Loránd University, Hungary, [2]Department of Chemistry, School of Science, The University of Tokyo, [3]MTA-ELTE Complex Chemical Systems Research Group*)

P-14 **Pure even harmonic generation from oriented CO in linearly polarized laser fields**

Hongtao Hu,[1,2] Na Li,[1] Peng Liu,[1, 3] Ruxin Li,[1,3] and Zhizhan Xu[1] (*[1]State Key Laboratory of High Field Laser Physics, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, [2]University of Chinese Academy of Sciences, [3]Collaborative Innovation Center of IFSA (CICIFSA), Shanghai Jiao Tong University*)

P-15 **Trapping of bubbles using axicon based femtosecond laser pulse filamentation in water**

A. K. Dharmadhikari[1], and J. A. Dharmadhikari[2] (*[1]Tata Institute of Fundamental Research,*

[2]*Deparment of Atomic and Molecular Physics, Manipal University*)

P-16 Remote and rapid micromachining of black silicon by femtosecond laser filaments

Xuepeng Zhan and Huailiang Xu (*State Key Laboratory on Integrated Optoelectronics, College of Electronic Science and Engineering, Jilin University*)

P-17 Intense laser induced spatio-temporal plasma dynamics of transparent solid probed by VUV reflection

Ryuji Itakura, Yoriko Wada, Hiroshi Akagi, and Tomohito Otobe (*Kansai Photon Science Institute, National Institutes for Quantum and Radiological Science and Technology (QST)*)

P-18 Broadband extreme ultraviolet continuum source for lab scaled nanometer resolution imaging

Silvio Fuchs[1,2], Martin Wünsche[1,2], Jan Nathanael[1,2], Johann J. Abel[1], Christian Rödel[2], Julius Reinhard[1], Gerhard G. Paulus[1,2] ([1]*Institute of Optics and Quantum Electronics,* [2]*Helmholtz Institute Jena, Friedrich Schiller University Jena*)

P-19 Development of time-resolved ARPES and absorption spectroscopy system based on quasi-monocycle-pulse driven high-harmonic source

Kento Toume[1,2], Katsuya Oguri[1], Hiroki Mashiko[1], Keiko Kato[1], Akira Suda[2], and Hideki Gotoh[1] ([1]*NTT Basic Research Laboratories, NTT Corporation,* [2]*Tokyo University of Science*)

P-20 Development of an apparatus for electron impact ionization in an intense laser field

Takashi Hiroi[1], Yuya Morimoto[2], Reika Kanya[1], Kaoru Yamanouchi[1] ([1] *Department of Chemistry,School of Science, The University of Tokyo,* [2] *Ludwig-Maximilians-University of Munich*)

P-21 Observation of laser-assisted electron scattering processes by an angle-resolved time-of-flight type electron analyzer

Motoki Ishikawa, Kakuta Ishida, Reika Kanya, and Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo*)

P-22 High-order multiphoton laser-assisted elastic electron scattering by Xe in a femtosecond near-infrared intense laser field: Plateau in energy spectra of scattered electrons

Kakuta Ishida, Yuya Morimoto, Reika Kanya, and Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo*)