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Adjunct Professor
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Associate Member
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Education

1992-96 Research Associate, Ultrafast Phenomena Group
 Steacie Institute for Molecular Sciences, National Research Council of Canada
1989-92 Postdoctoral Fellow (Supervisor: Y.T. Lee)
 Department of Chemistry
 University of California, Berkeley
1988 PhD, University of Toronto (Supervisor: J.C. Polanyi)
1982 BSc, Queen's University, Kingston, ON

Employment

2014- Canada Research Chair in Molecular Photonics. Professor of Chemistry & Physics.
 University of Ottawa.
2013- Graduate Faculty Scholar, Department of Physics
 University of Central Florida
2009- Associate Member, Ottawa Institute for Systems Biology
 University of Ottawa
2007- Adjunct Professor, Department of Physics
 University of Ottawa
2003- Adjunct Professor, Department of Physics
 Queen's University, Kingston ON
1995- Adjunct Professor, Department of Chemistry
 Queen's University, Kingston ON
1989 Visiting Scientist, Laser & Plasma Physics Group, Division of Physics
 National Research Council of Canada

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Professional Society Membership

~ Amercian Physical Society ~
~ Optical Society of America ~
~ American Chemical Society ~

Honours & Awards

2014 Distinguished Lecturer, Optical Society of America Travelling Lecturer Program
2013 Queen Elizabeth II Diamond Jubilee Medal. Canada
2012 FAST Fellow Visiting Professorship. ETH. Zürich, Switzerland
2011-12 Visiting Professor. Consejo Superior de Inv. Científicas, Madrid, Spain
2010 Visiting Professor. University of Rome 'La Sapienza'. Rome, Italy
2008 Fellow, American Physical Society
2008 Fellow, Optical Society of America
2008 Keith Laidler Award. Canadian Society for Chemistry (*for a distinguished contribution to the field of physical chemistry, recognizing early career achievement*)
2004 Visiting Professor. École Normale Superieure. Paris, France
2003 McElvain Lecturer. University of Wisconsin at Madison. WI, USA
2001 Barringer Award. Spectroscopy Society of Canada (*for distinguished achievement in spectroscopy*)
1989-91 NSERC Postdoctoral Fellowship (U.C. Berkeley)
1987 University of Toronto Open Doctoral Fellowship
1983-86 Lash Miller Award. University of Toronto
1985-86 NSERC Postgraduate Scholarship
1983-84 NSERC Postgraduate Scholarship
1980 R.T. Mohan Undergraduate Scholarship, Queen's University

Research Training

	Doctorate	Post-Doctoral
Conferred	5	15
Currently Supervising	2	4

Current University Research Grants:

2012-14	NSERC Collaborative R.&D. (Team) Development of a non-linear optical laser scanning microscopy system for in situ examination of cartilage reconstructive procedures	\$250,000
2011-12	Canadian Institute for Photonics Innovation "Stimulated Raman Scattering Microscopy with Novel Fiber Lasers."	\$72,000
2011-2016	NSERC Discovery Grant (Individual) "Femtosecond Molecular Science"	\$425,000

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2009-2014 NSERC CREATE Grant (% of Team) \$15,000
 “Quantitative Biomedicine”

Committees & Appointments

2014-2017: Member, External Advisory Board. Stanford PULSE Institute. Stanford University, CA.
2013-2016: Member-at-Large. Executive Committee, Division of Laser Science, American Physical Society.
2013-2016: Member, International Scientific Committee, International Conference on Vacuum Ultraviolet and X-ray Physics.
2013: Co-organizer. “Optical and X-ray Imaging Techniques for Material Characterization” Materials Science & Technology 2013
2012-2013: Member, Program Committee. “New Techniques in Microscopy” Meeting. Optical Society of America.
2012-2013: Member, International Advisory Committee. XXV International Symposium on Molecular Beams. Prague CZ.
2012- 2014: Member, Editorial Board. Journal of Chemical Physics. American Institute of Physics.
2011-2012: Member, International Steering Committee. International Conference on Raman Spectroscopy.
2011: Symposium Co-chair. “Attosecond & Strong Field Physics”. Laser Science XXVII Conference. American Physical Society. 16-20 October 2011.
2011-2012: Guest Editor, Journal of Physics B: Atomic, Molecular and Optical Physics. Special Issue on “Molecular-Frame Photoelectron Angular Distributions”.
2011: External Expert. Final Evaluation of European Science Foundation Project # MP0603: “Chemical imaging by means of CARS-microscopy (MicroCARS)”
2011- : Member, Editorial Advisory Board of the Journal of Raman Spectroscopy (Wiley)
2010- : Member, Ultrafast Optical Phenomena Technical Group. Optical Society of America.
2010- : Associate Member. Ottawa Institute for Systems Biology. University of Ottawa.
2010: Guest Editor, IEEE Journal of Selected Topics in Quantum Electronics. Special Issue on Ultrafast Science and Technology.
2010-2013: Member, Proposal Review Panel. Linac Coherent Light Source, SLAC National Accelerator Laboratory. Stanford University.
2010-2013: Member, Editorial Board, Physical Chemistry Letters (American Chemical Society)
2010- : Member, Editorial Board, Chemical Physics (Elsevier)
2010: Member, Advisory Board, X-Ray Frontiers Program. Kavli Institute for Theoretical Physics. UC Santa Barbara, USA.
2010: Chair, Gordon Research Conference on Photoions, Photoionization & Photodetachment. Galveston TX 31 Jan. – 5 Feb., 2010.
2009- : Member, Program Committee, 17th International Conference on Ultrafast Phenomena. June, 2010.
2009: Co-Chair, “Dynamic Imaging”. LPHYS’09 18th International Laser Physics Workshop. 13-17 July, 2009. Barcelona, Spain.
2009-2011: Member, Editorial Board, Journal of Physical Chemistry A (American Chemical Society).

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2008: Scientific Program Co-Chair. NATO Advanced Study Institute. "Laser Control & Monitoring in New Materials, Biomedicine, Environment, Security & Defense" Nov.24 – Dec.5, 2008. Ottawa, Canada.

2008- : Member, Advisory Board, Munich-Centre for Advanced Photonics. Munich, Germany.

2007- : Member, Editorial Board, Journal of Biophotonics (Wiley VCH)

2007-2008: Member, Program Committee, 16th International Conference on Ultrafast Phenomena. June, 2008.

2006-2011: PhD Supervisor for Mr. Adrian Pegoraro, Dept. of Physics, Queen's University, Kingston, ON.

2005-2010: Member, Editorial Board, Chemical Physics Letters (Elsevier).

2005: Conference Co-Chair. Laser Science 2005, American Physical Society, Joint with Optical Society of America.

2004-2005: Member, Program Committee, International Quantum Electronics Conference IQEC2005.

2004-2005: Symposium Co-chair. Pacificchem 2005. "Photophysical Dynamics in Biological Molecules" 15-20 December, 2005. Honolulu, HI. USA

2004: Conference Co-Chair. 2004 Cross Border Workshop on Laser Science: "From Nonlinear Optics to Biophotonics". May 6-8, 2004. Ottawa, ON, Canada.

2004- : Member, Editorial Board for ChemPhysChem (European Physical Societies, Wiley-VCH))

2003-2004: Symposium Co-chair. American Chemical Society Annual Meeting. Symposium on "Emerging Ultrafast Laser Spectroscopies: From Chemistry to Biophysics". March 2004 Anaheim, CA, USA.

2003-2004: Member, Program Committee, XIV International Conference on Ultrafast Phenomena. Optical Society of America. July 2004. Niigata Japan.

2003-2004: Member of the International Advisory Board for 14th International Conference on Vacuum Ultraviolet Radiation Physics. July 2004. Cairns Australia.

2002-2010: PhD Supervisor for Mr. Rune Lausten, Dept. of Physics, Queen's University, Kingston, ON.

2002-2007: PhD Supervisor for Mr. Benjamin Sussman, Dept. of Physics, Queen's University, Kingston, ON.

2000: Member, Canadian Photonics Experts Visioning Panel.

2000-2008: PhD Supervisor for Mr. Anthony Lee, Dept. of Chemistry, Queen's University, Kingston, ON.

2000-2006: Joint PhD Supervisor for Mr. Marc Smits, Dept. of Chemistry, University of Amsterdam.

1999: Member, Program Committee, XII International Conference on Ultrafast Phenomena.

1999- : Member, Advisory Panel for Gordon Conference on Multiphoton Processes.

1999: Member, Editorial Board of PhysChemComm (Royal Society Chemistry).

1999: Member, Organizing Committee, Cross Border Workshop on Laser Science, 20-22 May, Ottawa, Ontario.

1998: Member, NRC Forecasting Committee on Molecular Electronics.

1998: Member, Organizing Committee, NRC Workshop on Organic Materials for Microelectronics, 4-5 December, Ottawa, Ontario.

1997: Member, Sub-committee on Photophysics, Photochemistry & Photobiology, International Quantum Electronics Conference.

1996- : Member, Advisory Panel for Gordon Conference on Molecular Electronic Spectroscopy.

Publications in Refereed Journals (Current Web of Science Hirsch Index: $h = 39$)

122. S.R. Leone, C.W. McCurdy, J. Burgdoerfer, L.S. Cederbaum, Z. Chang, N. Dudovich, J. Feist, C.H. Greene, M. Ivanov, R. Keinberger, U. Keller, M.F. Kling, Z.H. Loh, T. Pfeifer, A.N. Pfeifer, R. Santra, K.

- Schafer, A. Stolow, U. Thumm, M.J.J. Vrakking. "What will it take to observe processes in 'real time'?" *Nature Photonics* 8, 162 (2014)
121. O. Schalk, M.S. Schuurman, G. Wu, P. Lang, M. Mücke, R. Feifel, A. Stolow. "Internal Conversion versus Intersystem Crossing: What Drives the Gas Phase Dynamics of Cyclic α,β -Enones?" *Journal of Physical Chemistry A* 118, 2279 (2014)
120. O. Schalk, A.E. Boguslavskiy, A. Stolow. "Two-Photon Excited State Dynamics of Dark Valence, Rydberg, and Superexcited States in 1,3-Butadiene". *Journal of Physical Chemistry Letters* 5, 560 (2014)
119. A.F. Pegoraro, A.D. Slepko, A. Ridsdale, D.J. Moffatt, A. Stolow. "Hyperspectral multimodal CARS microscopy in the fingerprint region" *Journal of Biophotonics* 7, 49 (2014)
118. O. Schalk, A.E. Boguslavskiy, M.S. Schuurman, R.Y. Brogaard, A.N. Unterreiner, A. Wronska-Piotrowicz, N.H. Werstuck, A. Stolow. "Substituent Effects on Dynamics at Conical Intersections: Cycloheptatrienes". *Journal of Physical Chemistry A* 117, 10239 (2013)
117. N. Mazumber, R.K. Lyn, R. Singaravelu, A. Ridsdale, D.J. Moffatt, C.W. Hu, H.R. Tsai, J. McLaucklan, A. Stolow, F.J. Kao, J.P. Pezacki. "Fluorescence Lifetime Imaging of Alterations to Cellular Metabolism by Domain 2 of the Hepatitis C Virus Core Protein". *PLOS ONE* 8, e66738 (2013)
116. A. Stolow. "The three pillars of photo-initiated quantum molecular dynamics". *Faraday Discussions* 163, 9 (2013)
115. T.J.A. Wolf, O. Schalk, R. Radloff, G. Wu, P. Lang, A. Stolow, A.N. Unterreiner. "Ultrafast photoinduced dynamics of halogenated cyclopentadienes: observation of geminate charge-transfer complexes in solution". *Physical Chemistry Chemical Physics* 15, 6673 (2013)
114. J. Mikosch, C.Z. Bisgaard, A. Boguslavskiy, I. Wilkinson, A. Stolow. "The Quantitative Determination of Laser-Induced Molecular Axis Alignment". *Journal of Chemical Physics* 139, 024304 (2013)
113. P. Hockett, E. Ripani, A. Rytwinski, A. Stolow. "Probing ultrafast dynamics with time-resolved multi-dimensional coincidence imaging: butadiene". *Journal of Modern Optics* 60, 1409 (2013)
112. A.M. Barlow, K. Popov, M. Andreana, D.J. Moffatt, A. Ridsdale, A.D. Slepko, J.L. Harden, L. Ramunno, A. Stolow. "Spatial-Spectral Coupling in Coherent Anti-Stokes Raman Scattering Microscopy". *Optics Express* 21, 15298 (2013)
111. O. Schalk, S.L. Broman, M.Å. Petersen, D.V. Khakhulin, R.Y. Brogaard, M.B. Nielsen, A.E. Boguslavskiy, A. Stolow, T.I. Sølling. "On the Condensed Phase Ring-Closure of Vinylheptafulvalene and Ring-Opening of Gaseous Dihydroazulene". *Journal of Physical Chemistry A* 117, 3340 (2013)

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110. T. Sekikawa, O. Schalk, G-R. Wu, A.E. Boguslavskiy, A. Stolow. "Initial Processes of Proton Transfer in Salicylideneaniline Studied by Time-Resolved Photoelectron Spectroscopy". *Journal of Physical Chemistry A* 117, 2791 (2013)
109. J. Mikosch, A.E. Boguslavskiy, I. Wilkinson, M. Spanner, S. Patchkovskii & A. Stolow "Channel- and Angle-Resolved Above Threshold Ionization in the Molecular Frame" *Physical Review Letters* 110, 023004 (2013)
108. A.C-T. Ko, A. Ridsdale. L.B. Mostaçõ-Guidolin, A. Major, A. Stolow & M.G. Sowa "Nonlinear optical microscopy in decoding arterial diseases" *Biophysical Reviews* 4, 323 (2012)
107. C. Weeraman, M. Chen, D.J. Moffatt, R. Lausten, A. Stolow, L. Johnston. "A Combined Vibrational Sum Frequency Generation Spectroscopy and Atomic Force Microscopy Study of Sphingomyelin-Cholesterol Monolayers" *Langmuir* 28, 12999 (2012)
106. R.C. Burruss, A.D. Slepko, A.F. Pegoraro, A. Stolow "Unraveling the complexity of deep gas accumulations with 3D multimodal CARS microscopy" *Geology* 40, 1063 (2012)
105. R.Y. Brogaard, O. Schalk, A.E. Boguslavskiy, G.D. Enright, H. Hopf, V. Raev, E. Tarcoveanu, T.I. Sølling, A. Stolow "The Paternò-Büchi reaction: importance of triplet states in the excited-state reaction pathway" *Physical Chemistry Chemical Physics* 14, 8572 (2012)
104. M. Spanner, J. Mikosch, A.E. Boguslavskiy, M.M. Murnane, A. Stolow, S. Patchkovskii "Strong-field ionization and high-order-harmonic generation during polyatomic molecular dynamics of N₂O₄" *Physical Review A* 84, 033426 (2012)
103. A.E. Boguslavskiy, J. Mikosch, A. Gijsbertsen, M. Spanner, S. Patchkovskii, N. Gador, M.J.J. Vrakking, A. Stolow "The multielectron ionization dynamics underlying attosecond strong field spectroscopies" *Science* 335, 1336 (2012)
102. K.I. Popov, A.F. Pegoraro, A. Stolow, L. Ramunno "Image formation in CARS and SRS: effect of an inhomogeneous nonresonant background medium" *Optics Letters* 37, 473 (2012)
101. R. Livingstone, O. Schalk, A.E. Boguslavskiy, G. Wu, L.T. Bergendahl, A. Stolow, M.J. Paterson, D. Townsend "Following the excited state relaxation dynamics of indole and 5-hydroxyindole using time-resolved photoelectron spectroscopy" *Journal of Chemical Physics* 135, 194307 (2011)

100. D.C. Kennedy, C.S. McKay, M.C.B. Legault, D.C. Danielson, J.A. Blake, A.F. Pegoraro, A. Stolow, Z. Mester, J.P. Pezacki
“Cellular Consequences of Copper Complexes Used To Catalyze Bioorthogonal Click Reactions”
Journal of the American Chemical Society 133, 17993 (2011)
99. G. Wu, A.E. Boguslavskiy, O. Schalk, M.S. Schuurman, A. Stolow
“Ultrafast Non-adiabatic Dynamics of Methyl Substituted Ethylenes: the $\pi 3s$ Rydberg State”
Journal of Chemical Physics 135, 164309 (2011)
98. M. Spanner, J. Mikosch, A. Gijsbertsen, A.E. Boguslavskiy, A. Stolow
“Multielectron Effects and Nonadiabatic Electronic Dynamics in Above Threshold Ionization and High Harmonic Generation”
New Journal of Physics 13, 93010 (2011)
97. P.J. Bustard, G. Wu, R. Lausten, D. Townsend, I.A. Walmsley, A. Stolow, B.J. Sussman
“From Quantum Control to Quantum Technology with the Dynamic Stark Effect”
Faraday Discussions 153, 321 (2011)
96. G. Wu, P. Hockett, A. Stolow
“Time-Resolved Photoelectron Spectroscopy: from wavepackets to observables”
Physical Chemistry Chemical Physics 13, 18447 (2011)
95. O. Schalk, A.E. Boguslavskiy, A. Stolow, M.S. Schuurman
“Through-Bond Interactions and the Localization of Excited State Dynamics”
Journal of the American Chemical Society 133, 16451 (2011)
94. A.E. Boguslavskiy, M.S. Schuurman, D. Townsend, A. Stolow
“Non-Born–Oppenheimer wavepacket dynamics in polyatomic molecules: vibrations at conical intersections in DABCO”
Faraday Discussions 150, 419 (2011)
93. R.Y. Brogaard, A.E. Boguslavskiy, O. Schalk, G.D. Enright, H. Hopf, V.A. Raev, P.G. Jones, D.L. Thomsen, T.I. Solling, A. Stolow
“Pseudo-Bimolecular [2+2] Cycloaddition Studied by Time-Resolved Photoelectron Spectroscopy”
Chemistry-A European Journal 17, 3922 (2011)
92. P. Hockett, C.Z. Bisgaard, O.J. Clarkin, A. Stolow
“Time-resolved imaging of purely valence-electron dynamics during a chemical reaction”
Nature Physics 7, 612 (2011)
91. K.I. Popov, A.F. Pegoraro, A. Stolow, L. Ramunno
“Image Formation in CARS Microscopy: Effect of the Gouy Phase Shift”
Optics Express 19, 5902 (2011)

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90. A.D. Slepko, A. Ridsdale, H-N Wan, M-H Wang, A.F. Pegoraro, D.J. Moffatt, J.P. Pezacki, F-J Kao, A. Stolow
"Forward-collected simultaneous fluorescence lifetime imaging and coherent anti-Stokes Raman scattering microscopy"
Journal of Biomedical Optics 16, 021103 (2011)
89. D. Townsend, B.J. Sussman, A. Stolow.
"A Stark Future for Quantum Control"
Journal of Physical Chemistry A 115, 357 (2011)
88. A.D. Slepko, A. Ridsdale, A.F. Pegoraro, D.J. Moffatt, A. Stolow
"Multimodal CARS microscopy of structured carbohydrate biopolymers"
Biomedical Optics Express 1, 1347 (2010)
87. A. Pegoraro, A. Slepko, A. Ridsdale, J.P. Pezacki & A. Stolow
"Single laser source for multimodal CARS microscopy"
Applied Optics 49, F10 (2010)
86. R.K. Lyn, D.C. Kennedy, A. Stolow, A. Ridsdale, J.P. Pezacki
"Dynamics of lipid droplets induced by the hepatitis C virus core protein"
Biochemical and Biophysical Research Communications 399, 518 (2010)
- 85 D.R. Blais, R.K. Lyn, M.A. Joyce, Y. Rouleau, R. Steenbergen, N. Barsby, L.F. Zhu, A.F. Pegoraro, A. Stolow, D.L. Tyrrell, J.P. Pezacki
"Activity-based Protein Profiling Identifies a Host Enzyme, Carboxylesterase 1, which Is Differentially Active during Hepatitis C Virus Replication"
Journal of Biological Chemistry 285, 25602 (2010)
84. L.B. Mostaço-Guidolin, M.G. Sowa, A. Ridsdale, A.F. Pegoraro, M.S.D. Smith, M.D. Hewko, E.K. Kohlenberg, B. Schattka, M. Shiomi, A. Stolow, A.C-T. Ko
"Differentiating atherosclerotic plaque burden in arterial tissues using femtosecond CARS-based multimodal nonlinear optical imaging"
Biomedical Optics Express 1, 59 (2010)
83. C. Weeraman, S.A. Mitchell, R. Lausten, L.J. Johnston, A. Stolow
"Vibrational sum frequency generation spectroscopy using inverted visible pulses"
Optics Express 18, 11487 (2010)
82. O. Schalk, A. Boguslavskiy, A. Stolow
"Substituent Effects on Dynamics at Conical Intersections: Cyclopentadienes"
Journal of Physical Chemistry A 114, 4058 (2010)
81. A.C.T. Ko, M.S.D. Smith, L.B. Mostaço-Guidolin, M.D. Hewko, E.K. Kohlenberg, B. Schattka, M.G. Sowa, A. Ridsdale, A.F. Pegoraro, A. Stolow, M. Shiomi

“Multimodal nonlinear optical imaging of atherosclerotic plaque development in myocardial infarction prone rabbits”

Journal of Biomedical Optics 15, 20501 (2010)

80. M.G. Sowa, L.B. Mostaco-Guidolin, M.S.D. Smith, E.K. Kohlenberg, A. Ridsdale, A. Stolow & A.C.T. Ko
“Nonlinear Optical Measurements of the Artery Wall: Parameters Related to the Progression of Atherosclerosis”

Measurement Science Review 9, 93 (2009)

79. A.F. Pegoraro, A. Ridsdale, D.J. Moffatt, J.P. Pezacki, A. Stolow, B.K. Thomas, L. Fu, L. Dong, M.E. Fermann

“All-fiber CARS microscopy of live cells”

Optics Express 17, 20700 (2009)

78. A.F. Pegoraro, A. Stolow, A. Ridsdale, D.J. Moffatt, J.P. Pezacki, Y. Jia

“CARS Microscopy Made Simple”

Biophotonics 18(8), 36 (2009)

77. A. Stolow

“Chemical Physics: Molecular Conformations Fielded”

Nature 461, 1063 (2009)

76. R.K. Lyn, D.C. Kennedy, S.M. Sagan, D.R. Blais, Y. Rouleau, A.F. Pegoraro, X.S. Xie, A. Stolow, J.P. Pezacki

“Direct imaging of the disruption of hepatitis C virus replication complexes by inhibitors of lipid metabolism”

Virology 394, 130 (2009)

75. A.F. Pegoraro, A. Ridsdale, D.J. Moffatt, J.P. Pezacki, A. Stolow

“CARS Microscopy Made Simple”

Photons 7, 50 (2009)

74. C.Z. Bisgaard, O.J. Clarkin, G. Wu, A.M.D. Lee, O. Geßner, C.C. Hayden & A. Stolow

“Time-resolved Molecular Frame Dynamics of Fixed-in-Space CS₂ Molecules”

Science 323, 1464 (2009)

73. A.F. Pegoraro, A. Ridsdale, D.J. Moffatt, Y. Jia, J.P. Pezacki & A. Stolow

“Optimally chirped multimodal CARS microscopy based on a single Ti:sapphire oscillator”

Optics Express 17, 2984 (2009)

72. C.Z. Bisgaard, H. Satzger, S. Ullrich & A. Stolow

“Excited-State Dynamics of Isolated DNA Bases: A Case Study of Adenine”

ChemPhysChem 10, 101 (2009)

71. A. Pegoraro A. Ridsdale R.K. Lyn J.P. Pezacki & A. Stolow

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“Simple High Performance Multi-modal Coherent Anti-Stokes Raman Scattering (CARS) Microscopy Based on a Two-Photon Microscope”

Microscopy and Microanalysis 14 (Supplement S2), 758 (2008)

70. A. Stolow & J.G. Underwood

“Time-Resolved Photoelectron Spectroscopy of Non-adiabatic Dynamics in Polyatomic Molecules”

Advances in Chemical Physics. Vol. 139, Edited by S.A. Rice, (Wiley, New York, 2008) p.497

69. W. Li, R. Lock, S. Patchkovskii, A. Stolow, H.C. Kapteyn, M.M. Murnane

“Time-resolved Dynamics in N₂O₄ probed using High Harmonic Generation”

Science 322, 1207 (2008)

68. R. Lausten, O. Smirnova, B.J. Sussman, S. Gräfe, A.S. Mouritzen, & A. Stolow

“Time- and frequency-resolved coherent anti-Stokes Raman scattering spectroscopy with sub-25 fs laser pulses”

Journal of Chemical Physics 128, 244310 (2008)

67. B.J. Sussman, R. Lausten & A. Stolow

“Focusing of light following a 4-f pulse shaper: Considerations for quantum control”

Physical Review A 77, 043416 (2008)

66. A.M.D. Lee, J.D. Coe, S. Ullrich, M.-L. Ho, S.-J. Lee, B.-M. Cheng, M.Z. Zgierski, I-C. Chen, T.J. Martinez, A. Stolow

“Substituent effects on dynamics at conical intersections: alpha,beta-enones”

Journal of Physical Chemistry A 111, 11948 (2007)

65. N. Gador, E. Samoylova, V.R. Smith, A. Stolow, D.M. Rayner, W. Radloff, I.V. Hertel, T. Schultz

“Electronic Structure of Adenine and Thymine Base Pairs Studied by Femtosecond Electron-Ion Coincidence Spectroscopy”

Journal of Physical Chemistry A 111, 11743 (2007)

64. H.R. Hudock, B.G. Levine, A.L. Thompson, H. Satzger, D. Townsend, N. Gador, S. Ullrich, A. Stolow, T.J. Martinez

“Ab Initio Molecular Dynamics and Time-Resolved Photoelectron Spectroscopy of Electronically Excited Uracil and Thymine”

Journal of Physical Chemistry A 111, 8500 (2007)

63. M. Noestheden, Q. Hu, L-L. Tay, A.M. Tonary, A. Stolow, R. MacKenzie, J. Tanha, J.P. Pezacki

“Synthesis and characterization of CN-modified protein analogues as potential vibrational contrast agents”

Bioorganic Chemistry 35, 284, (2007)

62. X-L. Nan, A.M. Tonary, A. Stolow, X.S. Xie, J.P. Pezacki

“Intracellular imaging of HCV RNA and cellular lipids by using simultaneous two-photon fluorescence and coherent anti-Stokes Raman scattering microscopies”

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ChemBioChem 7 1895 (2006)

61. D. Townsend, H. Satzger, T. Ejdrup, A.M.D. Lee, H. Stapelfeldt & A. Stolow
“ 1B_2 ($^+ \square$) Excited State Decay Dynamics in CS_2 ”
Journal of Chemical Physics 125, 234302 (2006)

60. K.F. Lee, D.M. Villeneuve, P.B. Corkum, A. Stolow & J.G. Underwood
“Field-free three-dimensional alignment of polyatomic molecules”
Physical Review Letters 97, 173001 (2006)

59. B.J. Sussman, D. Townsend, M. Yu. Ivanov & A. Stolow
“Dynamic Stark Control of Molecular Photodissociation”
Science 314, 278 (2006)

58. H. Satzger, D. Townsend, & A. Stolow
“Reassignment of the low lying cationic states in gas phase adenine and 9-methyl adenine”
Chemical Physics Letters 430, 144 (2006)

57. S.V. Levchenko, H. Reisler, A.I. Krylov, O. Gessner, A. Stolow, H. Shi, A.L.L. East
“Photodissociation dynamics of the NO dimer: I. Theoretical overview of the ultraviolet singlet excited states”
Journal of Chemical Physics 125, 084301 (2006)

56. H. Satzger, D. Townsend, M.Z. Zgierski, S. Patchkovskii, S. Ullrich & A. Stolow
“Primary processes underlying the photostability of isolated DNA bases: Adenine”
Proceedings of the National Academy of Sciences 103, 10196 (2006)

55. B. J. Sussman, J. G. Underwood, R. Lausten, M. Yu. Ivanov & A. Stolow
“Quantum control via the dynamic Stark effect: Application to switched rotational wave packets and molecular axis alignment”
Physical Review A 73, 053403 (2006)

54. O. Gessner, A.M.D. Lee, J.P. Shaffer, H. Reisler, S.V. Levchenko, A.I. Krylov, J. G. Underwood, H. Shi, A.L.L. East, D.M. Wardlaw, E.t-H. Chrysostom, C.C. Hayden & A. Stolow
“Femtosecond Multi-dimensional Imaging of a Molecular Dissociation”
Science 311, 219 (2006)

53. R. Lausten, P. Rochon, M. Ivanov, P. Cheben, S. Janz, P. Desjardins, J. Ripmeester, T. Siebert & A. Stolow
“Optically reconfigurable azobenzene polymer-based fibre Bragg filter”
Applied Optics 44, 7039 (2005)

52. B.J. Sussman, M.Yu. Ivanov & A. Stolow
“Non-perturbative quantum control via the non-resonant dynamic Stark effect”
Physical Review A 71, 051401R (2005)

51. J.G. Underwood, B.J. Sussman & A. Stolow
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ALBERT STOLOW

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Workshop Int. Inst. Pure Appl. Chem.

ALBERT STOLOW

World Sci. Singapore

Book Chapters

M.S. Schuurman & A. Stolow

“Interrogation of Nonadiabatic Molecular Dynamics Via Time-Resolved Photoelectron Spectroscopy”
in ‘Conical Intersections: Theory, Computation and Experiment’, Edited by W. Domcke, D. Yarkony, H. Köppel. Advanced Series in Physical Chemistry Vol. 17 (World Scientific, Singapore 2011).

A. Stolow & J.G. Underwood

“Time-Resolved Photoelectron Spectroscopy of Non-adiabatic Dynamics in Polyatomic Molecules”
Advances in Chemical Physics. Vol. 139, Edited by S.A. Rice, (Wiley, New York, 2008).

C.C. Hayden & A. Stolow

“Non-adiabatic Dynamics studied by Femtosecond Time-resolved Photoelectron Spectroscopy”
Advanced Physical Chemistry, Vol.10, Edited by C-Y Ng. (World Scientific Singapore, 2000).

Invited Talks (to date: 253)

Keynote Lecture, OSA Distinguished Travelling Lecturer Program

International OSA Network of Students

May 25, 2014

“Coherent Nonlinear Optical Microscopy: A New View on Life”

Colloquium. Department of Physics.

University of Central Florida.

4 April 2014

“Ultrafast Molecular Sciences”

Invited Lecturer. MicroCOR Winter School on Chemical Imaging by Coherent Raman and Nonlinear Microscopy

Les Houches, France

24 February 2014

“Raman Spectroscopy, Femtosecond CARS, Hyperspectral CARS Microscopy”

Invited Lecturer. MicroCOR Winter School on Chemical Imaging by Coherent Raman and Nonlinear Microscopy

Les Houches, France

25 February 2014

“Image Formation in NLO Microscopy: Spectral & Spatial Distortions in CARS & SRS Microscopy”

Colloquium. Max-Planck-Institute for the Physics of Complex Systems.

Dresden, Germany.

25 Nov 2013.

“Dynamics of Polyatomic Molecules in Laser Fields”

ALBERT STOLOW

Department of Chemistry.

Warwick University, UK.

14 Nov 2013.

“Femtosecond Molecular Sciences: from Molecular Dynamics to Biophotonics”

Department of Chemistry

University of Durham, UK.

12 Nov 2013.

“Femtosecond Lasers, from Molecular Physics to Microscopy”

Department of Physics, Heriot-Watt University

Edinburg UK.

11 Nov 2013.

“Ultrafast Molecular Sciences”

International Conference on Attosecond Physics

Paris, FR

12 July 2013

“Sub-cycle Multielectron Physics of Polyatomic Molecules”

International Symposium on Molecular Beams.

Prague CZ.

10 June 2013.

“Molecular Beam PEPICO Studies of Strong Field Attosecond Processes in Molecules”

96th Canadian Chemistry Conference.

Symposium on Ultrafast Photochemistry and Quantum Control.

Quebec, QC.

30 May 2013.

“Polyatomic Molecules in Strong Laser Fields”

3rd Annual Workshop on Spectroscopic Imaging

Purdue University.

Lafayette, IN, USA.

May 23-24, 2013.

“Hyper-spectral CARS imaging in the fingerprint region”

Centre for Oil Sands Initiatives.

University of Alberta.

Edmonton, AB.

13 May 2013.

“Imaging the Microscopic Distribution of Organic Material in Oil Sands”

Department of Physics

ALBERT STOLOW

Imperial College.

London, UK.

18 April 2013.

“Polyatomic Molecules in Laser Fields”

Introductory Lecture, Faraday Discussion on “Photoinduced Quantum Molecular Dynamics”

Nottingham, UK.

15-17 April 2013.

“The Three Pillars of Photoinduced Quantum Molecular Dynamics”

Lecturer. Workshop on “Unravelling the Interpretation of Attosecond Measurements”

U.S. Department of Energy.

Washington, DC, USA

26 March 2013

“Molecular Wavepacket Dynamics”

Department of Chemistry

Tulane University

New Orleans, LA, USA

4 March 2013

“CARS Microscopy Made Simple”

AMO Colloquium. Departments of Physics, Chemistry.

University of British Columbia

Vancouver, BC

17 January 2013

“Molecular Sciences: The Dynamical Perspective”

Colloquium. Department of Chemistry.

Simon Fraser University

Burnaby, BC

16 January 2013

“CARS Microscopy Made Simple: Label-free, Molecule-Specific Imaging”

Colloquium. Department of Chemistry.

University of British Columbia

Vancouver, BC

15 January 2013

“CARS Microscopy Made Simple: Label-free, Molecule-Specific Imaging”

Colloquium. Centre d’Optique, Photonique et Laser (COPL).

Laval University

Quebec, QC

11 December 2012

“CARS Microscopy Made Simple: Label-free, Molecule-Specific Imaging”

ALBERT STOLOW

Colloquium. Department of Chemistry.

University of Sherbrooke

Sherbrooke, QC

21 November 2012

“CARS Microscopy Made Simple: Label-free, Molecule-Specific Nonlinear Microscopy”

Colloquium. Department of Chemistry & Biochemistry.

University of Colorado, Boulder.

Boulder CO USA

16 November 2012

“CARS Microscopy Made Simple: Label-free, Molecule-Specific Nonlinear Microscopy”

Schawlow-Townes Symposium on Photonics, University of Ottawa

Ottawa ON

9 November 2012

“Molecular Photonics: New Light on Molecular Sciences”

Annual Meeting. Geological Society of America.

Charlotte, NC, USA

7 November 2012

“Multimodal Coherent Raman Spectroscopy and 3D Microscopy: Nonlinear Optical Tools for Geoscience Research”

Lecturer, “Frontiers in X-ray Science”.

Max-Planck Department for Structural Dynamics.

Centre for Free Electron Lasers (CFEL). DESY.

Hamburg, Germany.

12 October, 2012.

“Molecular Sciences: The Dynamical Perspective”

Institute Seminar.

École Polytechnique Fédérale de Lausanne.

Lausanne, Switzerland.

5 October, 2012

“CARS Microscopy Made Simple”

FAST Fellow Lecturer.

Institute of Quantum Electronics. Physics Department.

ETH Zurich. Switzerland.

1-4 October, 2012.

“Molecular Dynamics Lecture Series” (5 lectures, 10 hours).

Department of Chemistry. Universidad Autonoma.

Madrid, Spain

ALBERT STOLOW

29 August 2012

“Dynamics of Polyatomic Molecules in Laser Fields”

Department of Chemistry. Universidad Complutense.

Madrid, Spain

28 August 2012

“Dynamics at Conical Intersections”

Gordon Research Conference on Electronic Spectroscopy & Dynamics.

Lewiston, ME, USA.

23 July 2012.

“The Dynamophore: Localization of Excited State Dynamics”

Photonics North 2012. Bio-Medical-Infection Conference.

Montreal, PQ.

7 June 2012.

“Broadly Tunable CARS Microscopy in the Fingerprint Region”

Keynote Seminar, Inaugural Symposium

Waitt Advanced Biophotonics Center

Salk Institute for Biological Studies

San Diego, CA, USA

May 4, 2012

“Multimodal CARS Microscopy: Label-free Live Cell Nonlinear Imaging”

Instrumentation Development Meeting.

Stanford Linear Coherent Light Source (LCLS II).

Stanford, CA, USA

March 22, 2012

“Time-resolved Photoelectron Spectroscopy”

Gordon Research Conference on Photoionization & Photodetachment

Galveston, TX, USA

February 16, 2012

“Polyatomic Molecules in Strong Laser Fields”

Institute Colloquium.

Max-Planck-Institute for Quantum Optics

Garching, Germany

January 13, 2012

“Molecular Sciences: The Dynamical Perspective”

Symposium on Chemical Physics.

University of Waterloo.

Waterloo, Ontario.

ALBERT STOLOW

November 6, 2011.

“CARS Microscopy Made Simple”

Seminar. Department of Chemistry.

University of California, Berkeley.

Berkeley, California, USA

November 2, 2011.

“CARS Microscopy Made Simple”

Physical Chemistry Colloquium. Department of Chemistry.

University of California, Berkeley.

Berkeley, California, USA

November 1, 2011.

“Watching Ultrafast Charge & Energy Flow in Molecules”

Colloquium. Department of Physics.

Frei Universität Berlin.

Berlin, Germany.

25 October 2011.

“CARS Microscopy Made Simple”

Colloquium. Fritz-Haber-Institut der Max-Planck-Gesellschaft.

Berlin, Germany.

24 October 2011

“Dynamic Stark Control”

Colloquium. McGill Chemical Society. McGill University.

Montreal, PQ.

4 October 2011.

“CARS Microscopy Made Simple: Label-free, Chemical Specific Nonlinear Optical Imaging of Live Cells & Tissues”

Conference on Molecular Energy Transfer

Oxford, UK.

15 September 2011

“Towards Polanyi rules for polyatomics via time-resolved photoelectron spectroscopy”

American Chemical Society National Meeting.

Denver, CO, USA

1 September 2011

“Attosecond strong field dynamics of polyatomic molecules”

American Chemical Society National Meeting.

Denver, CO, USA

29 August 2011

ALBERT STOLOW

“Multimodal CARS Microscopy using a simple femtosecond source”

Gordon Research Conference on Quantum Control of Light & Matter

Mount Holyoke College, MA, USA

3 August 2011

“Molecules in Intermediate to Strong Laser Fields”

Faraday Discussion 153: Coherence and Control in Chemistry”

Leeds, UK

26 July 2011

“From Molecular Control to Quantum Technology with the dynamic Stark Effect”

Colloquium. Max-Born-Institute for Nonlinear Optics

Berlin, Germany

22 July 2011

“Imaging the Ultrafast Electronic Dynamics of Polyatomic Molecules:

Molecular Frame Photoelectron Imaging, Quantum Control, Attosecond Strong Field Physics”

Colloquium. Institut de Ciències Fòniques

Barcelona, Spain

18 July 2011

“Dynamics of Polyatomic Molecules in Laser Fields”

The Madrid Conference on Femtochemistry

Madrid, Spain.

11 July 2011

“Reaction Dynamics”

Canadian Society for Chemistry

Montreal, PQ

9 June 2010

“Time-Resolved Imaging of Purely Valence Electron Dynamics During a Chemical Reaction”

Canadian Society for Chemistry

Montreal, PQ

8 June 2011

“A Pulse Shaping Approach to Broadband Infrared Sum Frequency Generation Spectroscopy”

Microscopical Society of Canada 38th Annual Meeting

Ottawa ON

7 June 2011

“Multi-modal CARS microscopy using a simple femtosecond source”

Information Photonics

Ottawa, ON

ALBERT STOLOW

18 May 2011

“High Performance Multimodal CARS Microscopy using a Single Laser Source”

Photonics North

Ottawa, ON

16 May 2011

“CARS Microscopy Made Simple”

Focus On Microscopy Conference

Konstanz, Germany

20 April 2011

“CARS Microscopy for Hoi Polloi”

University of Bern

Bern, Switzerland

14 April 2011

“Multimodal CARS Microscopy using a Simple Femtosecond Source”

ETH Zürich

Zürich Switzerland

12 April 2011

“Polyatomic Molecules in Laser Fields: Dynamics, Control, Strong Fields”

Ecole Polytechnique Federale de Lausanne

Lausanne, Switzerland

11 April 2011

“Polyatomic Molecules in Laser Fields: Dynamics, Control, Strong Fields”

Faraday Discussions 150. “Frontiers in Spectroscopy”

Basel, Switzerland

7 April 2011

“Non-Born Oppenheimer wavepacket dynamics in polyatomic molecules: vibrations at conical intersections in DABCO”

Colloquium

Ottawa Institute of Systems Biology

Faculty of Medicine, University of Ottawa

29 March 2011

“Shining New Light on Live Cells: Nonlinear Optical Microscopy”

Beckman Laser Institute

University of California, Irvine

3 March 2011

“CARS Microscopy Made Simple”

ALBERT STOLOW

Institute Colloquium. Center for Free-Electron Laser Science.
Hamburg, Germany.
19 January 2011
“Imaging the Dynamics of Polyatomic Molecules”

INRS - Énergie, Matériaux et Télécommunications
Varenes, Quebec.
5 November 2010
“Multi-modal CARS Microscopy Using a Simple Femtosecond Source”

Department of Engineering Physics.
Ecole Polytechnique de Montreal. Quebec.
4 November 2010
“CARS Microscopy Made Simple”

Department of Physics
University of Stockholm, Sweden
11 October 2010
“Polyatomic Molecules in Laser Fields: Non-adiabatic Dynamics, Quantum Control, Strong Field Physics”

International Conference on Raman Spectroscopy.
Boston, MA USA
12 August 2010
“Multi-modal CARS Microscopy Using a Simple Femtosecond Source”

Future Developments in Coherent Raman Microscopy.
Harvard University. Cambridge University.
7 August 2010
“CARS Microscopy for Hoi Polloi”

International Max Planck Research School of Advanced Photon Science. Munich-Centre for Advanced Photonics.
Wildbad Kreuth, Germany.
1 August 2010
“Ultrafast Molecular Dynamics”

Gordon Research Conference on Atomic & Molecular Interactions
Tilton, NH, USA
18 July 2010
“Dynamics and Control in the Molecular Frame”

Lecturer, Ultrafast X-ray Science Summer School. SLAC National Accelerator Laboratory. Stanford University.
Menlo Park, CA. USA
22 June 2010

ALBERT STOLOW

“Dynamics in the Molecular Frame using Weak and Strong Laser Fields”

Lecturer, Ultrafast X-ray Science Summer School. SLAC National Accelerator Laboratory. Stanford University.

Menlo Park, CA. USA

22 June 2010

“Wavepacket Dynamics in Polyatomic Molecules: Creation, Evolution, Control and Detection”

Keynote Speaker. U.S. Department of Energy. 31st Annual Combustion Research Meeting.

Warrenton, VA USA

2 June 2010

“Ultrafast Dynamics and Quantum Control of Nonadiabatic Processes”

93rd Canadian Society for Chemistry Conference. Symposium on Coherence & Decoherence in Molecular Dynamics.

Toronto, ON

1 June, 2010

“Non-resonant, non-perturbative Dynamic Stark Control of Quantum Dynamics”

Department of Chemistry

University of Rome “La Sapienza”

Rome, Italy

29 April 2010

“Quantum Control, Molecules in Strong Laser Fields”

Department of Chemistry

University of Perugia

Perugia, Italy

27 April 2010

“Femtochemistry from the Molecule’s Viewpoint”

Department of Chemistry

University of Rome “La Sapienza”

Rome, Italy

26 April 2010

“Femtosecond Pump-Probe Spectroscopy”

Sigma Xi Lecture

Ottawa, ON

17 February, 2010

“Shining New Light on Live Cells: Nonlinear Optical Microscopy”

Department of Chemistry, Stanford University

Stanford, CA, USA

4 December, 2009

ALBERT STOLOW

“CARS Microscopy Made Simple”

The Future of Ultrafast Soft X-ray Science

Lawrence Berkeley Laboratory

Berkeley, CA, USA

2 December, 2009

“Time-Resolving Chemical Reaction Dynamics”

ACS 238th National Meeting. Symposium on 25 Years of ZEKE

Washington DC, USA.

17 August 2009

“Time-resolved photoelectron spectroscopy in the molecular frame”

ACS 238th National Meeting. Symposium on Biological Applications of Nonlinear Optical Imaging and Spectroscopy

Washington DC, USA.

19 August 2009

“Optimally chirped multimodal CARS Microscopy based on a single Ti:Sa oscillator”

CSC2009 Canadian Society for Chemistry

Hamilton, ON

1 June 2009

“Time-Resolved Chemical Dynamics from the Molecule’s Perspective”

XIth Cross Border Workshop on Laser Science

Ottawa, ON

29 May 2009

“Optimally Chirped High Performance CARS Microscopy of Live Cells and Tissues”

Photonics North. Symposium on Photonics Design & Simulation.

Quebec City, QC

24 May 2009

“High Performance Multimodal CARS Microscopy using a Single Femtosecond Source”

40th Annual Meeting of the American Physical Society Division of Atomic, Molecular Optical Physics

Charlottesville, VA USA

21 May 2009

“Imaging Ultrafast Dynamics in the Molecular Frame”

Colloquium

Department of Chemistry & James Franck Institute

University of Chicago, Chicago IL USA

20 April 2009

“Ultrafast Travels and Detours along the Arrow of Chemistry”

ALBERT STOLOW

The Canadian Laser Applications Network (CLAN) Meeting

Toronto, ON

11-12 March, 2009

“Chemical-specific, non-destructive material diagnostics via Coherent Nonlinear Raman Microscopy”

Ontario Institute for Cancer Research

MaRS Centre, Toronto, ON

9 February, 2009

“Label-free imaging of cells using CARS Microscopy”

Gordon Research Conference on Molecular Energy Transfer

Ventura, California USA

18-23 January 2009

“Nonadiabatic charge and energy flow in excited molecules: Dynamics & Control”

NATO Advanced Study Institute. “Laser Control & Monitoring in New Materials, Biomedicine, Environment, Security & Defense” Ottawa, Canada.

Nov.26, 2008

“CARS in Biomedicine – II: Microscopy”

NATO Advanced Study Institute. “Laser Control & Monitoring in New Materials, Biomedicine, Environment, Security & Defense” Ottawa, Canada.

Nov.25, 2008

“CARS in Biomedicine – I: Non-linear Optics & Coherent Control”

NRC-NSERC-BDC Workshop on Organic Photovoltaics

Laval University, Quebec City, Quebec

18 November 2008

“Characterization of Multiple Exciton Generation (MEG) in nanocrystals & composites”

Colloquium

Chemistry, Temple University

Philadelphia, PA, USA

23 October 2008

“Ultrafast Travels & Detours along the Arrow of Chemistry”

International Conference on Multiphoton Processes

Heidelberg, Germany

18-23 September 2008

“Probing Dynamics of Polyatomic Molecules: Photoelectron Spectroscopy and High Harmonic Generation”

Gordon Research Conference on Multiphoton Processes

Tilton, New Hampshire USA

8-13 June 2008

ALBERT STOLOW

“Polyatomic Molecular Dynamics: High Harmonic Generation vs. Time-Resolved Photoelectron Spectroscopy”

Keith Laidler Award Lecture. Canadian Society for Chemistry
Edmonton, Alberta.

27 May 2008

“Non-adiabatic Dynamics and its Quantum Control”

ACFAS Symposium on Biophotonics

Quebec City, Quebec.

6 May 2008

“Coherent Anti-Stokes Raman Scattering (CARS) Microscopy of Live Cells”

American Chemical Society. National Meeting. Symposium on Optical Probes of Dynamics in Complex Systems.

New Orleans, LA. USA

4-10 April 2008

“Non-adiabatic Molecular Dynamics and its Quantum Control”

American Physical Society. March Meeting. Focus Session on Quantum Control

New Orleans, LA. USA

12 March 2008

“Non-resonant, non-perturbative Dynamic Stark Control of Quantum Dynamics”

48th Sanibel Symposium. Session on Non-adiabatic Phenomena

St. Simons Island, Georgia USA

26 Feb. 2008

“Non-adiabatic Molecular Dynamics and its Quantum Control”

University of Alberta. Department of Physics

Edmonton AB.

17 January 2008

“Molecular Physics in Strong Laser Fields”

University of Alberta. Department of Chemistry

Edmonton AB.

16 January 2008

“Ultrafast Molecular Science: From Femtochemistry to Biophotonics”

University of Calgary. Department of Chemistry

Calgary AB.

15 January 2008

“Ultrafast Molecular Science: From Femtochemistry to Biophotonics”

Ottawa-Carleton Institute of Physics

ALBERT STOLOW

University of Ottawa

12 December 2007

“Ultrafast Molecular Sciences: from Quantum Dynamics to Biophotonics”

Canada-Taiwan Bilateral Workshop on “Emerging Photonic Applications in Medicine”

Taipei, Taiwan

13-14 November 2007

“Coherent Anti-Stokes Raman Scattering (CARS) Microscopy of Live Cells”

Workshop on “Science for a New Class of Soft X-Ray Light Sources”

University of California, Berkeley

8-10 October, 2007

“Non-adiabatic Dynamics in Polyatomic Molecules”

Institute of Optics & Department of Physics

Peking University

Beijing, China

26 September, 2007

“Ultrafast Molecular Physics in Laser Fields”

10th National Chemical Dynamics Meeting

Dalian, China

20-24 September, 2007

“Femtosecond Molecular Science: Time, Phase, Intensity”

Department of Physics

Imperial College

London UK

6 August 2007

“Polyatomic Molecules in Laser Fields”

Department of Physics

University College London

London UK

1 August 2007

“Polyatomic Molecules in Laser Fields”

Femtochemistry & Femtobiology 8

Magdalen College, Oxford University

Oxford UK

22-27 July, 2007

“Dynamics and Control of Ultrafast Non-adiabatic Processes”

Gordon Research Conference on Photochemistry

Bryant University, Smithfield RI, USA

ALBERT STOLOW

8-13 July 2007

“Ultrafast Dynamics of Non-adiabatic Photochemistry and its Quantum Control”

American Physical Society Meeting, Division of Atomic, Molecular & Optical Physics.
Calgary, Alberta

5 – 9 June 2007

“Non-perturbative Quantum Control via the Non-resonant Dynamic Stark Effect”

International Symposium on Molecular Beams

Freiburg, Germany

27 May – 2 June 2007

“Ultrafast Non-adiabatic Molecular Dynamics and its Quantum Control”

Seminar, Department of Chemistry

University of Ottawa

Ottawa, ON

7 May, 2007

“Femtosecond Molecular Sciences: from Non-linear Optics to Biophotonics”

Colloquium, Department of Chemistry

University of Sherbrooke

Sherbrooke, QC

7 February, 2007

“Watching and Controlling Chemical Reactions”

Colloquium, Argonne National Laboratory

Argonne, IL USA

15 January, 2007

“Non-adiabatic Molecular Dynamics and its Quantum Control”

Physics of Quantum Electronics Conference

Snowbird, Utah, USA

5 January, 2007

“Quantum control via the Non-Resonant Dynamic Stark Effect”

International Conference on Trends in Chemical Dynamics 2006

Yi-Lan, Taiwan

12 December, 2006

“Femtosecond dynamics and quantum control in the gas phase”

Colloquium, Department of Chemistry

Boston College

Boston, MA USA

21 November 2006

“Watching ultrafast charge and energy flow during chemical reactions”

ALBERT STOLOW

International Conference on the Stereodynamics of Chemical Reactions 2006

Arcachon, France

14 November 2006

“Femtosecond molecular dynamics from the molecule’s point of view”

Colloquium

Max-Planck-Institute for Quantum Optics

Garching, Germany

20 June 2006

“The Three Pillars of Femtosecond Molecular Science”

Invited Lecturer

Tulip Summer School on “Modern Developments in Spectroscopy”

Noordwijk, The Netherlands

26 April 2006

“Frequency Domain Pictures of Femtosecond Pump-Probe and Coherent Control Experiments”

27 April 2006

“Dynamics and Control of Polyatomic Molecules in Strong Laser Fields”

Biophysical Chemistry Symposium

McGill University

16 May 2006

“Dynamical Aspects of DNA Photonics”

Department of Chemistry

University of Southern California

Los Angeles, CA USA

20 March 2006

“Femtochemistry: Both Sides Now”

Department of Physics

University of Ottawa

9 March 2006

“Three Pillars of Femtosecond Science: Time, Phase, Intensity”

Gordon Conference on Photoions, Photoionization and Photodetachment

Buellton, CA, USA

30 January 2006

“Time-resolved coincidence imaging spectroscopy of a complex dissociation”

PACIFICHEM.

Symposium on ‘Non-adiabatic phenomena and related dynamics: theory and experiment’.

Honolulu, HI, USA

17 December 2005

ALBERT STOLOW

“Femtosecond time-resolved coincidence imaging spectroscopy of non-adiabatic photodissociation”

Optics Colloquium
Institute of Optics
University of Rochester
Rochester NY USA
9 November 2005

“Femtosecond Molecular Dynamics from the Molecule’s Point of View”

Department of Physics
University of British Columbia
3 November 2005

“Dynamics and Control of Polyatomic Molecules in Strong Non-resonant Laser Fields”

Department of Chemistry
University of British Columbia
2 November 2005

“Watching Charge and Energy Flow in Excited Molecules”

Symposium on ‘Ultrafast Photoelectron Spectroscopy’
Optical Society of America/American Physical Society Laser Science 2005
Tucson, AZ, USA
19 October 2005

“Time-Resolved Coincidence Imaging of Molecular Photodissociation”

12th Canadian Semiconductor Technology Symposium
Biophotonics and Bioelectronics Workshop
Ottawa

15 August 2005

“Dynamical Aspects of DNA Photonics: Photostability of the DNA Bases”

Femtochemistry VII
Washington DC, USA
18 July 2005

“The Behaviour of Polyatomic Molecules in Strong Laser Fields”

Colloquium
Department of Physics, University of Aarhus
Aarhus, Denmark
13 April 2005

“Three Pillars of Femtosecond Science: Time, Phase, Intensity”

Colloquium
Department of Chemistry, University of Copenhagen
Copenhagen, Denmark

ALBERT STOLOW

11 April 2005

“Three Pillars of Femtosecond Chemistry: Time, Phase, Intensity”

Departmental Seminar

Department of Physics, Vrije Universiteit

Amsterdam, The Netherlands

23 February 2005

“Dynamics and Control of Polyatomic Molecules in Strong Laser Fields”

Institute Seminar

FOM Institute for Atomic and Molecular Physics

Amsterdam, The Netherlands

21 February 2005

“Watching Charge and Energy Flow in Ultrafast Molecular Dynamics”

Colloquium

Department of Chemistry, Wayne State University

Detroit MI, USA

9 February 2005

“The Three Pillars of Femtosecond Chemistry”

Laser Science Conference, Optical Society of America.

Symposium on Multi-dimensional Detection

Rochester NY, USA

13 October 2004

“Femtosecond time-resolved coincidence imaging spectroscopy of molecular photodissociation”

Laser Science Conference, Optical Society of America.

Symposium on Coherent Control of Matter

Rochester NY, USA

12 October 2004

“Nonperturbative coherent control via the Dynamic Stark Effect”

Colloquium

SPAM Institute

CEA, Saclay, France

July 1, 2004

“Time, Phase & Intensity: Three Pillars of Femtosecond Science”

D’Alembert Colloquium

D’Alembert Institute

Ecole Normale Supérieure, Cachan, France

June 30, 2004

“Time, Phase & Intensity: Three Pillars of Femtosecond Science”

ALBERT STOLOW

Colloquium

Department of Physics, IRSAMC

University of Toulouse, Toulouse, France

June 21, 2004

“Time, Phase & Intensity: Three Pillars of Femtosecond Science”

Seminar

Department of Physics, CELIA

University of Bordeaux, Bordeaux, France

June 21, 2004

“Time, Phase & Intensity: Three Pillars of Femtosecond Science”

Departmental Colloquium

Departments of Chemistry

Ecole Normale Superieure, Paris, France

June 8, 2004

“Time, Phase & Intensity: Three Pillars of Femtosecond Science”

Photonics Mini-Symposium

Departments of Physics, Electrical Engineering & Chemistry

Queen’s University, Kingston

May 4, 2004

“Femtosecond Science”

Colloquium, Department of Chemistry

University of Pennsylvania

Philadelphia, PA, USA

January 15, 2004

“Time, Phase & Intensity: Three Pillars of Femtosecond Molecular Science”

Colloquium, Department of Chemistry

Michigan State University

East Lansing, MI, USA

December 2, 2003

“Time, Phase, Intensity: The Three Pillars of Femtosecond Chemistry”

McElvain Lecture in Physical Chemistry

Department of Chemistry

University of Wisconsin

Madison, WI, USA

November 25, 2003

“The Three Pillars of Femtosecond Chemistry: Time, Phase, Intensity”

“New Frontiers in Chemical Dynamics and Femtochemistry” Symposium

York Centre for Laser Spectroscopy and Photochemistry (YCLS)

ALBERT STOLOW

Department of Chemistry
The University of York, UK
29 October 2003

“Time, Phase, Intensity: Three Pillars of Femtosecond Science”

Department of Chemistry
The University of York, UK
28 October 2003

“Frequency Domain Pictures of Femtosecond Pump-Probe and Coherent Control Experiments”

First Canadian Workshop on Ultrafast Dynamic Imaging: UFDI 2003
Orford, Quebec
2 October 2003

“Switched Wavepackets: A route to field-free 3D alignment of polyatomic molecules”

Gordon Research Conference on Quantum Control of Light and Matter
Mount Holyoke College
South Hadley, MA. USA
7 August 2003

“Non-perturbative Coherent Control: Switched Wavepackets”

Departmental Colloquium
Department of Chemistry
University of Virginia
Charlottesville, VA USA
15 April 2003

“Femtosecond Time-resolved Photoelectron Spectroscopy: Both Sides of the Arrow of Chemistry”

AMO Physics Colloquium
Department of Physics
University of Virginia
Charlottesville, VA USA
14 April 2003

“Molecules in Nonperturbative Laser Fields: Dynamics and Control”

2nd International SfB Workshop on “Analysis and control of ultrafast photoinduced reactions”
Free University Berlin
Berlin, Germany
20 March 2003

“Molecules in Non-Perturbative Laser Fields: Dynamics and Control”

Max-Born-Institute for Non-linear Optics
Berlin, Germany
19 March 2003

“Molecules in Non-Perturbative Laser Fields: Dynamics and Control”

ALBERT STOLOW

Department of Chemistry
University of Würzburg
Würzburg, Germany
18 March 2003

“Time-resolved photoelectron spectroscopy: Both sides of the arrow of chemistry”

Department of Physics
University of Würzburg
Würzburg, Germany
17 March 2003

“Molecules in Non-Perturbative Laser Fields: Dynamics and Control”

Departmental Colloquium
Department of Chemistry
Queen’s University
Kingston
7 February 2003

“Femtosecond Journeys along the Arrow of Chemistry: Both Sides Now”

Condensed Matter Physics Seminar
Department of Physics
Queen’s University
Kingston ON
6 February 2003

“Molecules in Non-Perturbative Laser Fields”

Colloquium
Department of Physics
University of Waterloo
Waterloo ON
7 November 2002

“Molecules in Non-Perturbative Laser Fields”

Departmental Seminar
Department of Chemistry
Washington University
St. Louis, MO, USA
24 October 2002

“Shining New Light on Femtochemistry: Charge and Energy Flow in Molecules”

Gordon Conference on Multiphoton Processes
Tilton, NH USA
30 June–5 July 2002

“Polyatomic Molecules in Strong Laser Fields”

ALBERT STOLOW

Optical Society of America. Ultrafast Phenomena XIII

Vancouver, BC

May 12-17 2002

“Charge and Energy Flow in Polyatomic Molecules: Time-Resolved Photoelectron Spectroscopy”

Optical Society of America. Interdisciplinary Laser Science Conference

Long Beach, CA USA

October 14-18 2001

“Ultrafast electronic relaxation processes in polyatomic molecules”

Femtochemistry V Conference

Toledo, Spain

September 2-6 2001

“New directions in Time-Resolved Photoelectron Spectroscopy: Excited State Proton Transfer, Model Molecular Switches, Coincidence Spectroscopy”

Spectroscopy Society of Canada

2001 Barringer Award Lecture

Toronto, ON

August 19 2001

“New Light on Femtosecond Chemistry: Time-resolved Photoelectron Spectroscopy”

Gordon Conference on Photoions, Photoionization & Photodetachment

Williams College, Williamstown MA, USA

July 8-13 2001

“The Use of Electronic Continua in Time-Resolved Photoelectron Spectroscopy”

56th International Symposium on Molecular Spectroscopy

Ohio State University

Columbus, OH USA

June 11-15 2001

“Towards Dynamical Pictures of Zeroth Order Vibronic States”

XIX International Symposium on Molecular Beams

Rome, Italy

June 4-8 2001

“Femtosecond Time-resolved Photoelectron Spectroscopy: Electronic Relaxation Dynamics in Polyatomic Molecules”

School of Chemistry

University of Bristol, UK

April 26, 2001

“Time-domain studies of non-adiabatic dynamics in polyatomic molecules”

ALBERT STOLOW

Conference on Coherent Control of Molecular Processes

Imperial College, London UK

April 25, 2001

“Some Aspects of Control via Strong Non-resonant Laser Fields”

Department of Chemistry

King's College, London, UK

April 24, 2001

“Time-domain studies of non-adiabatic dynamics in polyatomic molecules”

School of Chemistry

University of Nottingham, UK

April 23, 2001

“New light on femtosecond chemical dynamics”

221st American Chemical Society Meeting

Symposium on Strong Field Chemistry

San Diego, CA USA

April 1-5, 2001

“Polyatomic molecules in strong fields: non-adiabatic multi-electron dynamics”

221st American Chemical Society Meeting

Symposium on Molecular Photoelectron Spectroscopy

San Diego, CA USA

April 1-5, 2001

“Using electronic continua in time-resolved photoelectron spectroscopy”

Department of Chemistry

Queen's University, Kingston, ON

January 30, 2001

"Dynamical Issues in Active Molecular Scale Electronics"

PACIFICHEM2000, International Chemical Congress of Pacific Basin Societies

Honolulu, HI, USA

December 16, 2000.

“The Role of Electronic Continua in Time-resolved Photoelectron Spectroscopy”

Department of Chemistry

University of Illinois Urbana-Champaign

Champaign, IL, USA

November 8, 2000

“Shedding Light on the Forces of Darkness: Time-Resolved Photoelectron Spectroscopy”

Department of Chemistry

University of Illinois Urbana-Champaign

ALBERT STOLOW

Champaign, IL, USA

November 7, 2000

“Polyatomic Molecules in Strong Laser Fields: Non-adiabatic Multielectron Dynamics”

European Union TMR Network Meeting

Workshop on Imaging Techniques in Chemical Dynamics

Heraklion, Crete, Greece

22 October, 2000

“Applications of Femtosecond Time-resolved Photoelectron & Coincidence-Imaging Spectroscopy”

Department of Chemistry

California Institute of Technology

Pasadena, CA, USA

October 10, 2000

“Progress in Femtosecond Time-Resolved Photoelectron Spectroscopy”

Department of Chemistry

California Institute of Technology

Pasadena, CA, USA

October 9, 2000

“Polyatomic Molecules in Strong Laser Fields”

Department of Chemistry

Oberlin College

Oberlin OH, USA

September 20, 2000

“Shedding New Light on Femtochemistry: Time-resolved Photoelectron Spectroscopy”

Gordon Conference on Molecular Electronic Spectroscopy

Colby-Sawyer College, NH, USA

August 3, 2000

“Issues of Time, Phase & Intensity in Femtosecond Spectroscopy”

Gordon Conference on Multiphoton Processes

Tilton, NH, USA

June 20, 2000

“Coherent Control”

Faraday Discussion 115, Photoionization

University of York, U.K.

April 3, 2000

“Towards disentangling coupled electronic-vibrational dynamics in ultrafast non-adiabatic processes”

Condensed Matter Physics Seminar

Queen’s University, Kingston

ALBERT STOLOW

December 1, 1999

"Molecular Wavepackets: A Quantum Optics Workbench"

Ultrafast Phenomena in Spectroscopy '99

Taipei, Taiwan

October 25-29, 1999

"Time-Resolved Configuration Interaction Studies of Ultrafast Internal Conversion"

Institute of Atomic & Molecular Sciences, Academia Sinica

Taipei, Taiwan

October 22, 1999

"New Light on Femtosecond Chemistry: Time-Resolved Configuration Interaction"

Department of Chemistry, National Tsing-Hua University

Hsinchu, Taiwan

October 20, 1999

"Ultrafast Non-adiabatic Dynamics studied by Time-resolved Configuration Interaction"

Femtochemistry IV

Leuven, Belgium

July 18-22, 1999

"Time-resolved configuration interaction: Disentangling electronic from vibrational dynamics during non-adiabatic processes"

Canadian Society for Chemistry Conference

Toronto, Ontario

May 30 June 2, 1999

"Disentangling electronic from vibrational dynamics in ultrafast internal conversion"

217th Nat. Meeting American Chemical Society

Symposium on: Unimolecular Reactions and Intramolecular Dynamics

Anaheim, CA USA

March 21-26, 1999

"Non-adiabatic intramolecular and unimolecular dissociation dynamics in polyatomic molecules studied by Time-resolved Photoelectron Spectroscopy "

217th Nat. Meeting American Chemical Society

Symposium on: Linear Conjugated Polyenes

Anaheim, CA USA

March 21-26, 1999

"Time-Resolved Configuration Interaction in *all-trans* Decatetraene"

FOM AMOLF Institute

Amsterdam, Netherlands

23 July, 1998

ALBERT STOLOW

"Femtosecond Time-Resolved Configuration Interaction"

Max-Planck-Institute for Quantum Optics

Garching, Germany

22 July, 1998

"Femtosecond Time-Resolved Configuration Interaction"

Institute for Physical & Theoretical Chemistry

Technical University of Munich

Garching, Germany

20 July, 1998

"Femtosecond Time-Resolved Configuration Interaction"

XIth International Conference on Ultrafast Phenomena

Garmisch-Partenkirchen, Germany

12-17 July, 1998

"Femtosecond Time-Resolved Configuration Interaction"

Canadian Society for Chemistry Conference

Whistler, BC

31 May -4 June, 1998

"Femtosecond Time-Resolved Configuration Interaction"

Fellows Lecture

Center for Ultrafast Optical Science

University of Michigan

Ann Arbor, MI, USA

22 May, 1998

"Femtosecond Time-Resolved Configuration Interaction: Non-adiabatic Dynamics in Molecules"

S.P.I.E. Conference on Laser Techniques for State-selected and State-to-state Chemistry

San Jose, CA, USA

Jan.29-31, 1998

"Non-adiabatic dynamics via time-resolved photoelectron spectroscopy"

Photonics Research Ontario, "Frontiers in Photonics" Lecture Series

University of Toronto

Jan.21, 1998

"Non-adiabatic dynamics via time-resolved photoelectron spectroscopy"

5th Chemical Congress of North America, Symposium on Laser Control of Electrons and Molecules

Cancun, Mexico

Nov.11-15, 1997

"Non-adiabatic dynamics via time-resolved photoelectron spectroscopy"

ALBERT STOLOW

9th European Workshop on Molecular Spectroscopy and Photon Induced Dynamics
Toulouse, France

Nov.7-11, 1997

"Non-adiabatic photodissociation dynamics via femtosecond time-resolved photoelectron spectroscopy"

Gordon Conference on Molecular Electronic Spectroscopy
Oxford, UK

Aug.31- Sept.5, 1997

"Time-resolved Photoelectron Spectroscopy"

Department of Physical & Theoretical Chemistry
Oxford University, Oxford, UK

April 18, 1997

"Time-resolved Photoelectron Spectroscopy"

Royal Society Discussion Meeting on "Ultrafast Processes in Chemistry & Biology"
The Royal Society, London, UK

April 16-17, 1997

"Applications of Wavepacket Methodology"

NRC Solid State Colloquium

Institute for Microstructural Sciences, NRC

Mar. 24, 1997

"Quantum Wavepackets and Optical Control"

Colloquium, Department of Chemistry
York University

Toronto ON

Feb.27, 1997

"Wavepacketology: Optical Phase in Chemistry"

Physical Chemistry Seminar

Department of Chemistry

University of Toronto

Feb.25, 1997

"Towards Wavepacket Technology"

Joint Quantum Optics Colloquium

Department of Physics/Institute of Optics

University of Rochester, New York

Feb.11, 1997

"Towards Wavepacket Technology?"

Colloquium, Department of Chemistry & Biochemistry

ALBERT STOLOW

University of Colorado, Boulder
Boulder CO USA
Feb.1, 1997
"Towards Wavepacket Technology?"

Seminar
Joint Institute for Laboratory Astrophysics (JILA)
NIST/ University of Colorado, Boulder
Boulder CO USA
Jan.31 1997
"Coherent Control and Femtosecond Pump-probe Experiments"

12th Regional Symposium on Chemical Physics
University of Waterloo
November 1, 1996
"Towards Wavepacket Technology?"

Departmental Seminar
Department of Chemistry
Brown Univeristy
Providence, RI USA
Oct.3, 1996
"Ultrafast Dynamics studied by Time-resolved Photoelectron Spectroscopy"

Departmental Seminar
Department of Chemistry
Queen's Univeristy
Kingston, Ont
Sept.30, 1996
"Chemical Dynamics studied by Time-resolved Photoelectron Spectroscopy"

Chemical Physics Seminar
Department of Chemistry
University of Aarhus,
Aarhus, Denmark
Sept.16, 1996
"Wavepacket Dynamics studied by Time-resolved Photoionization & Photoelectron Spectroscopy"

Nobel Symposium on Femtochemistry & Femtobiology:
Ultrafast Reaction Dynamics at Atomic Scale Resolution
Björkborn, Sweden
Sept. 9-12, 1996
Invited Participant

Gordon Conference on Multiphoton Processes

ALBERT STOLOW

New London, NH USA

June 9-14, 1996

"Wavepackets, Rydberg States & Molecules"

Optical Society of America, Ultrafast Phenomena Topical Meeting

San Diego, California

May 28 - June 1, 1996

"Wavepacket Dynamics studied by Time-resolved Photoionization & Photoelectron Spectroscopy"

American Physical Society, Division of Atomic, Molecular & Optical Physics Annual Meeting

Ann Arbor, MI USA

May 15-18, 1996

"Molecular Dynamics via Femtosecond Time-resolved Photoelectron Spectroscopy"

211th Nat. Meeting American Chemical Society

Symposium on: State-to-state scattering studies in the production and reactivity of molecular ions

New Orleans, LA USA

March 25-28, 1996

"Femtosecond Time-resolved Photoelectron & Photoion Spectroscopy studies of Chemical Dynamics"

Chemical Physics Seminar

Weizmann Institute of Science

Rehovot, Israel

March 13, 1996

"Wavepackets, Rydberg States & Femtosecond Photoelectron Spectroscopy"

Bat-Sheva Seminar on Coherent Control

Neve Ilan, Israel

March 3-8, 1996

"Dynamics & Control via Femtosecond Time-resolved Photoelectron & Photoionization Spectroscopy"

Departmental Colloquium

Département de Chimie, Université de Sherbrooke

Jan.31, 1996, Sherbrooke, Quebec

"A New Technique for Femtosecond Chemical Dynamics: Time-resolved Photoelectron Spectroscopy"

PACIFICHEM95 International Chemical Congress of Pacific Basin Societies

Symposium on: Structure, Dynamics, Control of Excited States

Dec.17-22, 1995, Honolulu HI USA

"Femtosecond molecular dynamics via time-resolved ZEKE photoelectron spectroscopy"

Chemical Dynamics Seminar

Department of Chemistry, University of California Berkeley

Dec.15, 1995, Berkeley, CA USA

"Femtosecond ZEKE Spectroscopy"

ALBERT STOLOW

Sandia National Laboratory Technical Seminar

Dec.14, 1995, Livermore CA USA

"Wavepacket Studies of Chemical Dynamics with Photoionization/photoelectron spectroscopy"

Ottawa-Carleton Chemistry Institute Seminar

Nov.6, 1995, Carleton University

"Chemical Dynamics studied by Femtosecond Time-Resolved Photoelectron Spectroscopy"

European Research Conference on Very High Resolution Spectroscopy with Photoelectrons

Sept.23-28, 1995, Lenggries, Germany

"Chemical Dynamics via Femtosecond Time-Resolved ZEKE Photoelectron Spectroscopy"

European Research Conference on Very High Resolution Spectroscopy with Photoelectrons

Sept.23-28, 1995, Lenggries, Germany

Panel Member, Round Table Discussion on 'Origin of ZEKE States'

"New Experiments for Rydberg Molecule Stabilization"

S.P.A.M. Institute Seminar

Service des Photons, Atomes et Molecules, C.E.N. Saclay, France

Sept.20, 1995

"Molecules, ZEKE Rydberg States & Femtosecond Wavepacket Experiments"

Seminar, F.O.M. Institute for Atomic & Molecular Physics

Amsterdam, The Netherlands

Sept.13, 1995

"Molecular Wavepackets & Femtosecond Photoelectron Spectroscopy"

Femtochemistry: The Lausanne Conference

Université de Lausanne

Lausanne, Switzerland

Sept.4-8, 1995

"Femtosecond Molecular Dynamics via Time-Resolved Photoelectron Spectroscopy"

Seminar, Laboratorium für Organische Chemie der ETH Zürich

Zürich, Switzerland

Sept.1, 1995

"Femtosecond Time-Resolved Photoelectron Spectroscopy"

50th Canadian Association of Physicists Congress/CAM95

Laval University

Quebec, Quebec June 11-16, 1995

"Chemical Dynamics via Femtosecond Time-Resolved Photoelectron Spectroscopy"

78th Canadian Society for Chemistry Conference

ALBERT STOLOW

University of Guelph

Guelph Ontario, 28 May - 1 June, 1995

"Femtosecond Molecular Dynamics via Time-Resolved ZEKE Photoelectron Spectroscopy"

Departmental Chemistry Seminar

University of Virginia

Charlottesville, VA, USA

April 28, 1995

"Chemical Dynamics via Femtosecond Time-Resolved Photoelectron Spectroscopy"

Laboratoire pour Photophysique Moleculaire, Seminar

Université Paris-Sud

Orsay, France, March 3 1995

"Femtosecond Molecular Dynamics via Time-Resolved Photoelectron Spectroscopy"

Laboratoire des Collisions Atomiques et Moleculaire, Seminar

Université Paris-Sud

Orsay, France, March 1 1995

"Femtosecond Molecular Dynamics via Time-Resolved Photoelectron Spectroscopy"

Departmental Chemistry Seminar

Queen's University, Kingston, January 25 1995

"Femtosecond Chemical Dynamics via Time-Resolved Photoelectron Spectroscopy"

10th Regional Symposium on Chemical Physics

University of Waterloo, November 6, 1994

"Femtosecond Pump-Probe ZEKE Photoelectron Spectroscopy"

21st Informal Conference on Photochemistry

York University, 18 May, 1994

Reaction Dynamics Section, Invited Chairman

Neil Snider Symposium, Department of Chemistry

Queen's University, Kingston

June 9, 1994

"Dynamics of H₂ Elimination from Ethylene"

Physical Chemistry Seminar

University of Toronto, June 10, 1993

"Photodissociation Dynamics of Ethylene"

Physical Chemistry Seminar

University of Southern California, March 30, 1993

"Photodissociation Dynamics of CO₂ "

ALBERT STOLOW

8th Regional Symposium on Chemical Physics
University of Waterloo, 6-8 November, 1992
"Photodissociation Dynamics of CO₂ at 157nm"

Physical Chemistry Seminar
Carleton University, October, 1992
"Dynamics of H₂ Elimination from Ethylene"

S.P.I.E. Conference, Los Angeles, California
Optical Methods for Time- and State-Resolved Chemistry, January, 1992
"157nm Photodissociation Dynamics of CO₂ via Translational Spectroscopy"