Curriculum Vitae

Theofanis N. Kitsopoulos

Status Professor of Chemistry, University of Crete, Affiliated Researcher at the Institute of Electronic Structure and Laser (IESL), Foundation for Research and Technology-Hellas (FORTH)

P.O. Box P.O. Box 1527
Vassilika Vouton
71110 Heraklion-Crete
Greece
tel. +30 (2810) 391467, 1300, 545049, 6932192354
FAX + 30 (2810) 391305
email: theo@iesl.forth.gr

Personal

Date of Birth: September 10th, 1964
Place: Nafpactos-Greece
Marital Status: Married, Two Daughters
Languages: English (excellent), Greek (excellent), German (basic)

Academic Degrees

B. Sc. in Chemistry (with highest honors), University of Illinois, Chicago, 1986

Ph. D. in Physical Chemistry, University of California, Berkeley, 1991.
Research Supervisor: Prof. Daniel M. Neumark, ***Thesis Ttile:*** Threshold Photodetachment Spectroscopy of Negative Ions

Postoctoral Experience

Sandia National Laboratories, Livermore, USA, 1991-93.
Research Advisor: Dr. David Chandler

Academic Awards

- Humboldt Foundation Research Award 2012
- Friedrich von Bessel Award, Humboldt Foundation 2004
- Bodossaki Science Award in Chemistry 2003
- University of California Regents Fellow, Berkeley 1988-89
- IBM Predoctoral Fellow, Berkeley 1987-88
- Phi Beta Kappa, 1986
- B.J. Freud Award, Outstanding Junior in Chemistry, University of Illinois 1985

Military Service

Greek Infantry Division 1993-94

Employment

1994-1999	Assistant Professor University of Crete and Research associate IESL-FORTH
1999-2007	Associate Professor University of Crete and Research associate IESL-FORTH
2007-	Professor University of Crete and Research associate IESL-FORTH
2006-2008	Chairman Department of Chemistry, University of Crete
2006-2010	Vice Rector University of Crete, Infrastructures and Student Affairs
2009-2010	President of University Technical Council
2008-2011	Vice-President of the University Research Council
2005-present	Member of The Scientific Council IESL-FORTH

Research Interests

My group is interested in studying ***chemical dynamics***. Specifically my experiments aim towards the determination of the state-to-state differential cross sections for a chemical process be it a full or half collision. Our main experimental methodology involves velocity mapping or ion imaging. We made a major improvement in traditional photofragment imaging that we call ***slice imaging*** that improves the sensitivity to spatial anisotropy parameters such that we are able to measure the photofragment alignment and orientation from single ion images, that offers additional detail information on the structure and dynamics of multiple / interfering excited electronic states. In a second series of experiments we have been investigating the reactivity of photolytically produced species (hot atoms or radicals). There are two types of experimental approaches. The first is photoloc product imaging, where precursor reagents are premixed and co-expanded. The hot atom or radical is produced photolytically and products are rovibrationally state selected using resonant enhanced multiphoton ionization (REMPI). The speed distribution is measured using velocity mapping and analysis using either direct or Fourier basis set analysis yield the state resolved differential cross section (SRDCS). The reactions of Cl+ethane and Cl + Butane reaction have been studied using this technique. More recently a major breakthrough has been achieved where we have been able to measure SRDCS using a crossed molecular beam setup and (2+1) REMPI detection of products. This novel approach lends itself to a plethora of polyatomic chemical reactions to be studied with rotational resolution.

Recently we introduced the Low Energy Photoelectron Imaging Spectroscopy (LEPIS) as a new way to probe the electronic properties of self-assembled monolayers, close to the Fermi level. This method relies on imaging of photoelectrons produced by the metal substrates after UV irradiation. Following the ejection of the electrons from the substrate they are transmitted through the organic monolayer. We showed that this method allows relative work function measurements of the monolayer coated substrate, as well as the study of the kinetics of the formation of the monolayer of the alkanethiol from solution. Currently we wish to extend this method using a transient absorption analogue. The electron transmission of our light harvesting molecules and the antenna molecular assemblies will be studied in the LEPIS arrangement. A pump photon will be used to excite the light-harvesting molecule and the second UV photon will be used to create photoelectrons from a Gold substrate. The transmission of these photoelectrons through he molecular assembly will be measured as a function of pump pulse energy, and delay. Two sets of experiments are performed: (a) Using ns laser systems we will explore the overall transmission characteristics of the molecular assemblies (organization, concentration, chemistry and structures) and (b) once we have narrowed down the “most promising” candidates, we will repeat the experiment using fs laser pulses in order to understand the detail dynamics of the electron transfer/charge separation process. Using two dimensional (2D) position sensitive detection (imaging) for electron detection, our setup allows for spatial information to be extracted, thus observing to only the total “current” but also the topography of the current produced. Control of the directionality of the electron current remains a challenge as does understanding the underlying physics of this process.

Publications in Refereed Journals

1. D.C. Robie, S. Arepalli, N. Presser, T.N. Kitsopoulos, and R.J. Gordon, **Evidence of tunneling in the O(^{3}P) + HD reaction**, Chem. *Phys. Lett.* **34**, 579, (1987).
2. R.B. Metz, T.N. Kitsopoulos, A. Weaver, and D.M. Neumark, **Study of the transition state region in the Cl + HCl reaction by photoelectron spectroscopy of ClHCl$^-$**, *J. Chem. Phys.* **88**, 1463 (1988).
3. T.N. Kitsopoulos, I.M. Waller, J.G. Loeser and D.M. Neumark, **High resolution threshold photodetachment spectroscopy of negative ions**, *Chem. Phys. Lett.* **159**, 300 (1989).
4. R.B. Metz, A. Weaver, S.E. Bradforth, T.N. Kitsopoulos, and D.M. Neumark, **Probing the transition state region with negative ion photodetachment : The Cl + HCl and the Br + HBr** reactions, *J. Phys. Chem.* **94**, 1377 (1990).
5. I.M. Waller, T.N. Kitsopoulos, and D.M. Neumark, **Threshold photodetachment spectroscopy of the H + HI transition state region**, *J. Phys. Chem.* **94**, 2240 (1990).
6. D.C. Robie, S. repalli, N. Presser, T.N. Kitsopoulos, and R.J. Gordon, **The intramolecular kinetic isotope effect in the O(^{3}P) + HD reaction**, *J. Chem. Phys.* **92**, 7382, (1990).
7. T.N. Kitsopoulos, C.J. Chick, A. Weaver, and D.M. Neumark, **Vibrationally resolved photodetachment spectra of Si_3^- and Si_4^-**, *J. Chem. Phys.* **93**, 6108 (1990).
8. T.N. Kitsopoulos, C.J. Chick, Y. Zhao, and D.M. Neumark, **Study of the low lying electronic states of Si_2 and Si_2^- using negative-ion threshold photodetachment**, *J. Chem. Phys.* **95**, 1441 (1991).
9. T.N. Kitsopoulos, C.J. Chick, Y. Zhao, and D.M. Neumark, **Threshold photodetachment spectra of C_5^-**, *J. Chem. Phys.* **95**, 5479 (1991).
10. D.W. Arnold, S.E. Bradforth, T.N. Kitsopoulos, and D.M. Neumark, **Vibrationally resolved spectra of C_2-C_{11} by photoelectron spectroscopy**, *J. Chem. Phys.* **95**, 8753 (1991).
11. C.J. Chick, Y. Zhao, T.N. Kitsopoulos, and D.M. Neumark, **Threshold photodetachment and autodetachment spectra of C_6^-**, *J. Chem. Phys.* **97**, 6121 (1992).
12. T.N. Kitsopoulos, M.A. Buntine, D.P. Baldwin, R.N. Zare, D.W.Chandler, **Reaction Product Imaging: The H + D_2 Reaction**, *Science* **260**, 1605 (1993).
13. C.J. Chick, T.N. Kitsopoulos, and D.M. Neumark, **Reassignment of the Si_2^- photodetachment spectra**, *J. Chem. Phys.* **99**, 766 (1993).
14. P.C. Samartzis, I. Sakellariou, T.Gougousi and T.N. Kitsopoulos, **Photofragmentation study of Cl_2 using ion imaging,** *J. Chem. Phys.* **107**, 43 (1997).
15. P.C. Samartzis and T.N. Kitsopoulos, **Two-Photon Dissociation Study of CS_2 Using Ion Imaging,** *J. Phys. Chem.* **101**, 5620 (1997).
16. P.C. Samartzis, I. Sakellariou, T.Gougousi and T.N. Kitsopoulos, **Photodissociation study of CH_3Br in the first continuum,** *J. Chem. Phys.* **108**, 5742 (1998).
17. P.C. Samartzis, T.Gougousi, and T.N. Kitsopoulos, **Photofragmentation study of Cl_2 at 308 nm,** *Laser. Chem.* **17**, 185 (1998).
18. P.C. Samartzis, B.L.G. Bakker, T.P. Rakitzis, D.H. Parker and T.N. Kitsopoulos, **Spin-orbit branching ratios for the Cl-atom photofragment following the excitation of Cl_2 from 310 to 470 nm**, *J. Chem. Phys.* **110**, 5201 (1999).
19. P.C. Samartzis, B.L.G. Bakker, D.H. Parker and T.N. Kitsopoulos, **Two-photon photolelectron and photofragment spectra of CH_3I using fs and ps laser pulses**, *J. Phys. Chem. A* **103**, 6106 (1999).
20. T.P. Rakitzis, P.C. Samartzis, and T.N. Kitsopoulos, **Observing the symmetry breaking in the angular distributions of oriented photofragments using velocity mapping**, *J. Chem. Phys.* **111**, 10415 (1999).
21. T.N. Kitsopoulos and D.H. Parker, **Velocity Mapping Studies of Vibrational Energy Disposal Following Methyl Iodide Photodissociation**, *J. Chin. Chem. Soc.* **46**, 513 (1999).
22. P.C. Samartzis, T.N. Kitsopoulos M.N.R. Ashfold **Imaging studies of the Multiphoton Excitation, Dissociation and Ionization of Br_2**, *PCCP* **2**, 453 (2000).
23. B.L.G. Bakker, D.H. Parker, P.C. Samartzis, and T.N. Kitsopoulos, **Non-resonant photofragmentation/ionization dynamics of O_2 using picosecond and femtosecond laser pulses at 248 nm** *J. Chem. Phys.* **112**, 5654 (2000).
24. D. Dimitrov, S. Trakhtenberg and R. Naaman, D. Smith, P.C. Samartzis, T.P. Rakitzis and T.N. Kitsopoulos, **Momentum dependence of electron transmission through organized organic thin films**, *Chem. Phys. Lett.* **322**, 587 (2000).

25. P.C. Samartzis, D. Smith, T.P. Rakitzis and T.N. Kitsopoulos, State Resolved Differential Cross Section Measurement of Cl + C_2H_6 → HCl + C_2H_5 Reaction using Single Beam Velocity Mapping, *Chem. Phys. Lett.* 324, 337 (2000).
26. B.L.G. Bakker, D.H. Parker, P.C. Samartzis, and T.N. Kitsopoulos**, Non-resonant photofragmentation/ionization dynamics of H_2 using picosecond and femtosecond laser pulses at 248 nm,** *J. Chem. Phys.* 113, 9044 (2000).
27. B. Martínez-Haya , P. Quintana, L. Bañares P. Samartzis, D. J. Smith, and T. N. Kitsopoulos, **The photodissociation of CH_3SCH_3 and CD_3SCD_3 at 220–231 nm investigated by velocity map ion imaging**, *J. Chem. Phys.* **114**, 4450 (2001).
28. D.H. Parker, B.L.G. Bakker, P.C. Samartzis, and T.N. Kitsopoulos, **A study of Rydberg states of Cl_2 and low lying electronic states of Cl_2^+ through a dissociative continuum**, *J. Chem. Phys.* **115**, 1205 (2001).
29. T.P. Rakitzis, P.C. Samartzis, and T.N. Kitsopoulos, **Complete Measurement of S($^1D_2$) Photofragment Alignment from Abel-invertable Ion Images**, *Phys. Rev. Lett* .**87**, 123001 (2001).
30. C.R. Gebhardt, T. P. Rakitzis, P.C. Samartzis, V. Ladopoulos and T. N. Kitsopoulos**, Slice Imaging: A New Approach to Ion Imaging and Velocity Mapping**, *Rev. Sci. Instrum.* (2001) **72**, 3848.
31. T. N. Kitsopoulos C.R. Gebhardt, and T. P. Rakitzis, **Photodissociation Study of CS_2 at 193 nm using Slice Imaging**, *J. Chem. Phys.* **115** 9727 (2001).
32. T. P. Rakitzis and T. N. Kitsopoulos, **Measuring the Cl and Br photofragment alignment using Slice Imaging**, *J. Chem. Phys.* **116,** 9228 (2002).
33. Alrik J. van den Brom, T. Peter Rakitzis, Jeroen van Heyst, Theofanis N. Kitsopoulos, Sebastian R. Jezowski, and Maurice H. M. Janssen, **State-to-state photodissociation of OCS(v=2,1|J/M). I. The angular recoil distribution of CO (X $^1\Sigma^+$, v=0/J),** *J. Chem. Phys.* **117**, 4255 (2002).
34. T.P. Rakitzis, P.C. Samartzis, R. Toomes, L. Tsigaridas, M. Coriou, D. Chestakov, A.T.J.B. Eppink, D. H. Parker and T.N. Kitsopoulos **Photofragment alignment from the photodissociation of HCl and HBr**, *Chem. Phys. Lett.* **364**, 115 (2002).
35. R.L. Toomes, and T.N. Kitsopoulos **Rotationally resolved reaction product imaging using crossed molecular beams** *Phys. Chem. Chem. Phys.* **5**, 2481 (2003).
36. T.P.Rakitzis, P.C.Samartzis, R.L.Toomes, T.N.Kitsopoulos, Alex Brown, G.G.Balint-Kurti, O.S.Vasyutinskii, J.A.Beswick, **Spin-Polarized Hydrogen Atoms from Molecular Photodissociation,** *Science* **300,** 1936 (2003).
37. M.J. Bass, M. Brouard, C. Vallance, T.N. Kitsopoulos, P.C. Samartzis, and R.L. Toomes, **The dynamics of the Cl + C_2H_6→HCl(v', j') + C_2H_5 reaction at 0.24 eV: is ethyl a spectator?**, *J. Chem. Phys.* **119**, 7168 (2003)
38. C. Murray, A.J. Orr-Ewing, R.L.Toomes and T.N.Kitsopoulos**, Imaging the quantum-state specific differential cross sections of HCl formed from reactions of chlorine atoms with methanol and dimethyl ether.***J. Chem. Phys.* **120**, 2230 (2004)
39. R.L.Toomes, P.C.Samartzis, T.P.Rakitzis, and T.N.Kitsopoulos, **Slice imaging of H-atom photofragments: Effects of the REMPI detection process on the observed velocity distribution**, *Chem. Phys.* **301**, 209 (2004).
40. T.P.Rakitzis, P.C.Samartzis, R.L.Toomes, and T.N.Kitsopoulos, **Measurement of Br photofragment orientation and alignment from HBr photodissociation: Production of highly spin-polarized hydrogen atoms,** *J. Chem. Phys.* **121**, 7222 (2004).
41. M.J. Bass, M. Brouard, C. Vallance, T.N. Kitsopoulos, P.C. Samartzis, and R.L. Toomes, **The dynamics of the Cl + n-C_4H_{10}→HCl(v', j') + C_4H_9 reaction at 0.32 eV,** *J. Chem. Phys.* **121**, 7175 (2004).
42. D.A. Chestakov, S.-M. Wu, G. Wu, D.H. Parker, A.T.J. Eppink, and T.N. Kitsopoulos, **Slicing Using a Conventional Velocity Map Imaging Setup: O_2, I_2, and I_2^+ Photodissociation** *J. Phys. Chem. A.***108,** 8100, (2004).
43. R.L.Toomes, J. van den Brom and T.N.Kitsopoulos C. Murray, A.J. Orr-Ewing, **, Imaging the dynamics of the reactions of chlorine atoms with methyl halides** *J. Phys. Chem.A, **108***, 7909 (2004).
44. A.J. van den Brom, M. Kapelios, T.N. Kitsopoulos, N.H. Nahler and M.N.R. Ashfol, **Photodissoiation and photoionization of pyrrole following the Multiphoton excitation at 243 and 364 nm,** *Phys. Chem. Chem. Phys.***7**, 892 (2005)

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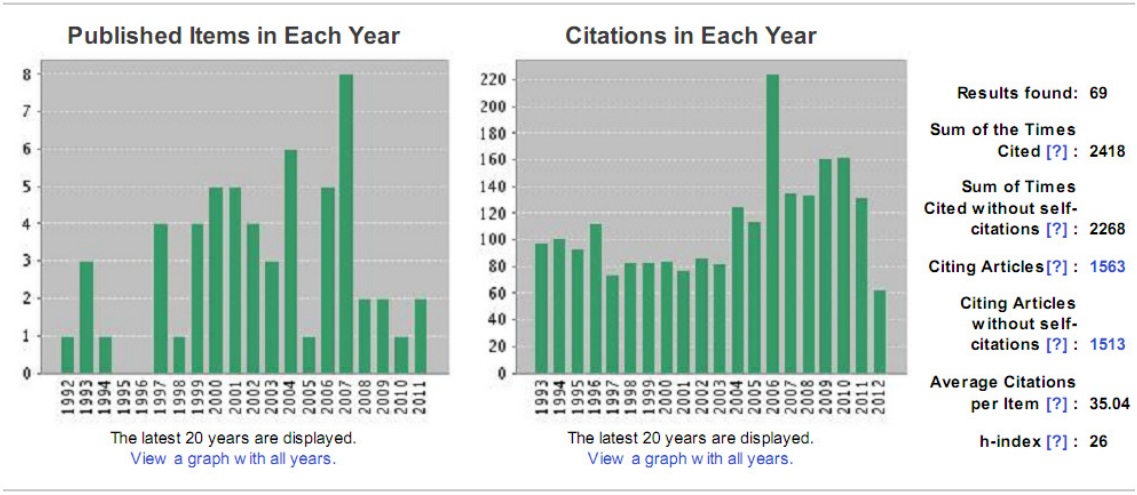
46. Michael Schneider, Raman Maksimenka, F. Johannes Buback, Theofanis Kitsopoulos, Luis R. Lago, Ingo Fischer, **Photodissociation of Thymine**, *Phys. Chem. Chem. Phys.* **8**, 26 (2006).
47. M. Suchea, N. Katsarakis, Christoulakis, M. Katharakis, T. Kitsopoulos and G. Kiriakidis **Metal oxide thin films as sensing layers for ozone detection** *Analytica Chimica Acta* **573–574,** 9 (2006) **Citations 5**
48. Vassilios Papadakis and Theofanis N. Kitsopoulos **Slice imaging and velocity mapping using a single field** *Rev. Sci. Instrum.* **77**, 083101 (2006).
49. Benis EP, Charalambidis D, Kitsopoulos TN, Tsakiris GD, Tzallas P, **Two-photon double ionization of rare gases by a superposition of harmonics** *Phys. Rev. A* **74,** 051402 (2006)
50. I Despina Fragouli and Theofanis N. Kitsopoulos, Letizia Chiodo, Fabio Della Sala, and Roberto Cingolani Supratim G. Ray and Ron Naaman, **Imaging Photoelectron Transmission through Self-Assembled Monolayers: The Work-Function of Alkanethiols Coated Gold**, *Langmuir 23, 2156* (2007).
51. Rubio-Lago L, Zaouris D, Sakellariou Y, Sofikitis D, Kitsopoulos TN, Wang F, Yang X, Cronin B, Devine AL, King GA, Nix MGD, Ashfold MNR, Xantheas SS, **Photofragment slice imaging studies of pyrrole and the Xe center dot center dot center dot pyrrole cluster** *J.Chem. Phys.* **127,** 12754688 (2007).
52. Tudose IV, Horvath P, Suchea M, Christoulakis S, Kitsopoulos T, Kiriakidis G, **Correlation of ZnO thin film surface properties with conductivity** APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING **89**, 57 (2007)
53. Suchea M, Christoulakis S, Katsarakis N, Kitsopoulos T, Kiriakidis G, **Comparative study of zinc oxide and aluminum doped zinc oxide transparent thin films grown by direct current magnetron sputtering** THIN SOLID FILMS **515**, 6562 (2007)
54. Michael Schneider, Christof Schon, Ingo Fischer, Luis Rubio-Lago, Theofanis Kitsopoulos, **Photodissociation of uracil** *Phys. Chem. Chem. Phys., 2007,* (45),6021 **Citations 5**
55. Suchea M, Christoulakis S, Tudose IV, Vernardou D, Lygeraki MI, Anastasiadis SH, Kitsopoulos T Kiriakidis G, **Pure and Nb2O5-doped TiO2 amorphous thin films grown by dc magnetron sputtering at room temperature: Surface and photo-induced hydrophilic conversion studies**, MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY **144**, 54-59 (2007
56. L. Rubio-Lago, G. A. Amaral, A. Arregui, J. G. Izquierdo, F. Wang, D. Zaouris, T. N. Kitsopoulos, L. Bañares, **Slice imaging of the photodissociation of acetaldehyde at 248 nm. Evidence of a roaming mechanism***, Phys. Chem. Chem. Phys.,Vol. 9 (46), 6123 (2007*)
57. Lipciuc ML, Wang F, Yang X, Kitsopoulos TN, Fanourgakis GS, Xantheas SS **Cluster-controlled photofragmentation: The case of the Xe-pyrrole cluster,** *CHEMPHYSCHEM* Vol 9, 13, 1838 (2008).
58. Horvath P, Sadale SB, Suchea M, Christoulakis S, Voicu R, Tibeica C, Bineva I, Muller R, Kitsopoulos T, Kiriakidis G, ZnO **Thin Films for Cantilever Coatings: Structural and Mechanical Properties, Observations of Photoplastic Effect,** *SENSOR LETTERS,* **6**, *558-563* (2008)
59. Wang FY, Lipciuc ML, Yang XM, Kitsopoulos TN, Multiphoton **dissociation dynamics of CH_3Br**, *Phys. Chem. Chem. Phys.* **11** , 2234-2240, (2009)
60. Giovanni Piani, Luis Rubio-Lago, Martin A. Collier, Theofanis N. Kitsopoulos and Maurizio Becucci, **New Insights on the Photodissociation of N-Methylpyrrole: The Role of Stereoelectronic Effects,** *J. Phys. Chem. A,* **11,** *14554–14558* (2009)
61. P.C. Samartzis and T.N. Kitsopoulos, **Branching ratios and anisotropy parameters in ICl photolysis from 400 to 570 nm using slice imaging,** *J. Chem. Phys.* 133, 014301 (2010).
62. J. Fedor, J. Kocišek, V. Poter ya, O. Votava, A. Pysanenko, M. L. Lipciuc, T. N. Kitsopoulos, and M. Fárník, **Velocity map imaging of HBr photodissociation in large rare gas clusters,** *J. Chem. Phys.* **134**, 94314 (2011). **134**, 154303 (2011)
63. N. Diamantopoulou, A. Kartakoulis, P. Glodic, Theofanis N. Kitsopoulos and Peter C. Samartzis, **Ultraviolet photodissociation of Iodine Monochloride (ICl) at 235, 250 and 265**

nm *J. Chem. Phys.* **134**, 94314 (2011).

64. T. Schäfer, K. Golizbruch, N. Bartels, Ch. Bartels1,2, H. Köckert1,2, D.J. Auerbach, T.N. Kitsopoulos, A.M. Wodtke **Observation of direct vibrational excitation in gas-surface collisions of CO with Au(111)** (*Phys. Chem. Chem. Phys.* 2012) in press.
65. P. Glodic, A. Kartakoulis, M. Fárník, Theofanis N. Kitsopoulos and Peter C. Samartzis, **Ultraviolet photodissociation of Iodine Monochloride (ICl) at 235, 250 and 265 nm** *J. Chem. Phys.* 2012) in press.



Chapters in Books

1. D.W.Chandler, T.N. Kitsopoulos, A.J.R. Heck, R.I. McKay, M.A. Buntine, D.P. Baldwin, R.N. Zare, **Reaction Product Imaging: The H + HI Reaction**, *Gas-Phase Chemical Reaction Systems: Experiments and Models 100 Years after Max Bodenstein*, (eds. J. Wolfrum, H.-R. Volpp, R. Rannacher, J. Warnatz) Springer Series in Chem. Phys. (Springer Berlin, Heidelberg 1996).
2. P.C. Samartzis PC, D.J. Smith and T.N. Kitsopoulos, **Velocity Map Imaging of Reaction Products: The Cl+C2H6 -> HCl+C2H5 reaction,** Imaging in Chemical Dynamics, Edited by A.G. Suits and R.E, Co ntinetti, ACS symposium series 770 (Oxford Press 2000)
3. T.P. Rakitzis and T.N. Kitsopoulos, **Measurement of state-resolved differential cross-sections of bimolecular reactions using single beam velocity mapping**, Chapt. 10 Imaging in Molecular Dynamics, Edited by B.J. Whitaker (Cambridge University Press 2003).
4. T.P. Rakitzis and T.N. Kitsopoulos, **Slice Imaging: a new approach to ion imaging and velocity mapping**, Chapt. 11, Imaging in Molecular Dynamics, Edited by B.J. Whitaker (Cambridge University Press 2003).

Talks

1. Pacific Northwest Laboratories (1997).
2. Workshop on Ion Imaging, Sandia National Labs (1997).
3. Physics Colloquium, University of Crete (8-10-98).
4. COMET XVI, Assisi (25-6-99), Conference on Molecular Energy Transfer.
5. ACS National Meeting, New Orleans (26-8-1999).
6. University of Puerto Rico (30-8-99) (Department Colloquium)
7. Michigan State University (7-9-1999) (Department Colloquium)
8. Atomic and Molecular Interactions Gordon Meeting (Session Chair, June 2001)
9. XIX International Symposium on Molecular Beams (Roma, June 2001)
10. IESL-FORTH Colloquium (Spring 2001)

11. Onassis 2001 Lectures in Chemistry and Physics (Heraklion July 2001)
12. ILS Meeting Broida Symposium (Long Beach 2001) (was unable to attend)
13. Symposium of Laser Center Vrije Universiteit (Amsterdam May 2002)
14. LAP 2002 (Leuven July 2002)
15. Stereo Dynamics of Chemical Reactions (Schoorl Dec 2002)
16. XVIII International Conference on Molecular Energy Transfer, Spain (Presented by postdoc Dr. Rachel Toomes) (2003)
17. XX International Symposium on Molecular Beams, Portugal (2003)
18. Colloquium Department of Physics University of Ioannina, (2003).
19. Second Annual Meeting of the RSC Spectroscopy and Dynamics Group, UK (2003)
20. Department of Physics Kaiserslautern, (2004).
21. Department of Chemistry TU MUnich, (2004).
22. RGD24 International Symposium on Rarefied Gas Dynamics (2004) (Presented by postdoc Dr. Alrik van den Brom)
23. MPI Gottingen 1/12/2004
24. Univesrity of Kassel 27/1/2005
25. GRCOMET Jan 9-14 2005, Buellton
26. University of Braunsweig, May 27th 2005
27. Conference Lasers and Optics in Atomic, Molecular and Nanoscale Physics , Riga Latvia 8-11 June 2005
28. 9th National Conference of Chemical Reaction Kinetics, Hangzhou, China 24/9/2005
29. PACIFICHEM December 15-20, 2005, Hawai
30. University of Florence, April (2007)
31. International Symposium on Molecular Beam, Freiburg May (2007)
32. Compultense University Madrid, March (2007)
33. Stereodynamics Meeting, Dalian, October (2008)
34. International Chemistry Conference 06, Cairo, March 2010

Undergraduate Diploma Theses

1. Peter Samartzis (Chemistry)
2. Ioannis Sakellariou (Physics)
3. Margellou Asimina (Chemistry)
4. Dakanali Eva (Chemistry)
5. Papadopoulos George (Chemistry)

Masters

1. Tsiggaridas Lambros(2001 Chemistry)
2. Giannis Sakellariou (2008 Chemistry)
3. Dimitris Zaouris (2010 Chemistry)
4. Niki Diamantopoulou (2010 Chemistry)

PhD's

1. Dr. Peter Samartzis (2003) (Chemistry)
2. Fragkouli Despina (2006) (Chemistry)
3. Karaiskou Anna (Chemistry) (Principal Supervisor Prof. Rakitzis Physics)
4. Mirela Suchea (Chemistry) (Principal Supervisor Prof. Kiriakidis Physics)
5. Fengyan Wang (Dalian University PRC)
6. Andreas Kartakoulis (Chemistry-ongoing)
7. Pavle Glodic (Chemistry-ongoing)
8. Niki Diamatopoulou (Chemistry-ongoing)

Post-Doctorals

1. Dr. Theodosia Gougousi (USA/GR) 1996-97
2. Dr. Derek Smith (UK) 1999-2000
3. Dr. Christoph Gebhardt (DE) 2000-2001
4. Dr. Peter Rakitzis (USA/GR) 1999-2000
5. Dr. Rachel Toomes (UK) 2002-2004
6. Dr. Alrik van den Brom (NL) 2003-2005
7. Dr. Luis Rubio Lago (SP) 2004-2006
8. Dr. Laura Lipciuc (RO) 2006-2007

Visitors Laser Facility Users

1. Prof. David Parker, Dr. B. Bakker, Dr. A.T.J.B. Eppink, M. Coriou, D. Chestakov, M. Wu (University of Nijmegen, NL)
2. Prof. Mike Ashfold, Dr. H. Nahler, Dr. M. Beckert (University of Bristol, UK)
3. Prof. A. Orr-Ewing, Dr. C. Murray, Dr. S. Rudic (University of Bristol, UK)
4. Dr. C. Vallence, Dr. M. Bass (University of Oxford)
5. Prof. Bruno Martinez Haya (University of Seville, SP)
6. Dr. P. Quintana (University of Madird, SP)
7. Prof. Moshe Shapiro (Weizmann, IL)
8. Prof. Ron Naaman, Dr. D. Dimitrov, Dr. S. Trakhtenberg (Weizmann, IL)
9. Dr. Sun Zheng (TU Munich, DE)
10. Prof. R. Metz (University of Massachusetts, USA)
11. Dr. C. Bucher (MPQ, DE)
12. Dr. A. Alexander, (University of Edinburough)
13. Prof. Luis Banares (Compultense University, SP)
14. Prof. Mauricio Beccuci (Univ. of Florence)
15. Dr. Michal Farnik, (Heyrovsky Institute Prague)
16. Prof. B.J. Whitaker (Leeds University)

International Meeting Organization

1. Workshop On Imaging Techniques in Chemical Dynamics (Fodele 2000)
2. XXI International Symposium on Molecular Beams (Hersonnisos May 2005)

Research Funding

Principle Investigator

1. RTN, HUMAN POTENTIAL-Marie Curie, IMAGINE (200.000. €) 1997-2001
2. RTN, HUMAN POTENTIAL-Marie Curie, REACTIVES (170.000 €) 2000-2004
3. GROWTH, SENTIMATS (360.000 €) 2001-2004
4. RTN, HUMAN POTENTIAL-Marie Curie, PICNIC (150.000 €) 2002-2005
5. PYTHAGORAS, (70.000 €) 2004-2007
6. TOK, HUMAN POTENTIAL, 2005-2009, SOUTHERN DYNAMICS (356.000 €)
7. ITN, HUMAN POTENTIAL, FP7 2009-2014, ICONIC (480.000€)

Participating Investigator

1. ΕΠΕΑΕΚ, Applied Molecular Spectroscopy 1998-2003

2. Human Potential-Marie Curie, ULF Large Scale Facility,1999-ongoing
3. EST, Marie Curie, ATLAS, 2004-2007