

Curriculum Vitae

Personal Information:

Full Name: Anastassia Rissanou
Father's Name: Nikolaos
Mother's Name: Asimina
Address : 14, Genimmata St., Gazi, Heraklion, Crete, Greece
Work Tel.: +32810 393746, 6947821656
e-mails: rissanou@iesl.forth.gr, rissanou@uoc.gr

Present Position:

Collaborating Researcher, Institute of Applied and Computational Mathematics Foundation for Research and Technology-Hellas 711 10, Heraklion Crete Greece.

Education:

PhD: 1998-2003: Doctoral thesis in “Simulation studies on Polymeric and Colloidal Systems”, under the supervision of Prof. Spiros Anastasiadis and Dr. Ioannis Bitsanis.
Physics Department, University of Crete - Foundation for Research and Technology Hellas – IESL.

M.Sc: 1998 June: MSc in Physics - General MSc in Physics, with emphasis in Condensed Matter Physics.
Physics Department, University of Crete.

BSc: 1996 July: BSc degree in Physics
Physics Department, University of Crete.

Research Activities:

Participation in international research programs relative to:

- *Simulation studies on the properties of polymers and colloids with the use of various computational methods.*
- *Development of new computer simulation methods.*
- *Simulations of Biological molecules.*

15/12/2013-until now: Foundation for Research and Technology Hellas, Institute of Applied and Computational mathematics, Research Funding Programs: KRHPIS
Simulation Studies of Polymer/Graphene Nanocomposites.

01/04/2013-30/09/2013: University of Crete, Archimedes Center for Analysis, Modeling & Computation. “Molecular Modeling of Polymer/Graphene Interfacial Systems”

01/12/2011-31/07/2012: Foundation for Research and Technology Hellas, «Graphene Center», “Study of the properties of nanocomposites of graphene-polymer using Multi Scale simulations”.

08/2007-09/2008: Foundation for Research and Technology Hellas, Institute of Electronic Structure and Laser: Post Doctoral Researcher in Polymer group in collaboration with Prof. Christos N. Likos in [Institut für Theoretische Physik II Heinrich-Heine-Universität Düsseldorf](#), Germany.

- Calculation of the Interaction Potential between Diblock-Arm Star Copolymers

10/2003-07/2007: NRCPS “Demokritos” - Institute of Physical Chemistry - Molecular Thermodynamics and Modelling of Materials Laboratory

- Development of new computer simulation methods for advanced materials with complex molecular architecture.
- Atomistic simulations in solutions of branched polymers and in mixtures of branched polymers with their linear analogs.
- Mesoscopic simulations in star polymer solutions.

10/2005-12/2005: Visiting Researcher in Chemical Engineering Department of Princeton University, Princeton, New Jersey ,USA.

- Study of the phase behavior and structural properties of model dendrimers using new simulation techniques.

1998-2003: Polymer Group - Institute of Electronic Structure and Laser - Foundation for Research and Technology Hellas Heraklion, Crete.

Mesoscopic simulations of Complex Systems, using Monte Carlo and Molecular Dynamics techniques.

- Study of the microstructure of colloidal particles in concentrated suspensions.
- Study of the conformation of linear polymer chains in bulk and near attractive surfaces.
- Study of the temperature-induced microstructural change in multi-arm star polymer solutions.

Publications in International Journals:

1. "The Information Content of Multiple Scattering Data: Monte Carlo and Laboratory Experiments", A. N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis, J. de Joannis, C. Mujat, A. Dogariu. Prog. Colloid Polym. Sci., 118, 276 (2001) [Impact factor: 1.110].
2. 'Thermal vitrification in suspensions of soft colloids: Molecular dynamics simulations and comparison with experiments', A. N. Rissanou, D. Vlassopoulos, I. A. Bitsanis, Phys. Rev. E, 71, 011402 (2005) [Impact factor: 2.40].
3. ‘Temperature Induced Crystallization in Concentrated Suspensions of Multi-Arm Star Polymers: A Molecular Dynamics Study’, Anastassia N. Rissanou, Marianna

- Yiannourakou, Ioannis G. Economou, Ioannis A. Bitsanis, J. Chem. Phys., **124**, 044905, (2006) [Impact factor: 3.093].
4. "Monte Carlo Simulation of the Phase Behavior of Model Dendrimers", Anastassia N. Rissanou, Ioannis G. Economou and Athanassios Z. Panagiotopoulos, *Macromolecules*, **39**, 6298, (2006) [Impact factor: 4.539].
 5. "A Monte Carlo Study of the Coil-to-Globule Transition of a Model Polymeric System", Anastassia N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis *Journal of Polymer Science Part B*, **44**, 3651 (2006) [Impact factor: 1.586].
 6. "Amorphous and Crystalline States of Ultrasoft Colloids: A Molecular Dynamics Study", Anastassia N. Rissanou, Marianna Yiannourakou, Ioannis G. Economou and Ioannis A. Bitsanis, *Rheologica Acta Journal*, **46**, 755, (2007) [Impact factor: 1.882].
 7. "Novel Monte Carlo Molecular Simulation Scheme Using Identity-Altering Elementary Moves for the Calculation of Structure and Thermodynamic Properties of Polyolefin Blends", Loukas D. Peristeras, Anastassia N. Rissanou, Ioannis G. Economou and Doros N. Theodorou *Macromolecules*, **40**, 2904 (2007) [Impact factor: 4.539].
 8. "Calculation of the Effect of Macromolecular Architecture on Structure and Thermodynamic Properties of Linear – Tri-Arm Polyethylene Blends from Monte Carlo Simulation", Anastassia N. Rissanou, Loukas D. Peristeras, Ioannis G. Economou *Polymer*, **48**, 3883 (2007) [Impact factor: 3.573].
 9. "A Monte Carlo Study of the Coil-to-Globule Transition of Model Polymer Chains near an Attractive Surface",
Anastassia N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis, *Journal of Polymer Science Part B: Polym. Phys.*, **47**, 2462–2476 (2009) [Impact factor: 1.586].
 10. "Structure and Dynamics of Poly(methyl-methacrylate)/Graphene systems through Atomistic Molecular Dynamics Simulations",
Anastassia N. Rissanou and Vagelis Harmandaris, *Journal of Nanoparticle Research* **15**, 1589:1-14, (2013).
 11. "Effect of Solvent on the Self-Assembly of Dialanine and Diphenylalanine Peptides",
Anastassia N. Rissanou, Evangelos Georgilis, Emmanouil Kasotakis, Anna Mitraki and Vagelis Harmandaris, *Journal of Physical Chemistry B* **117**(15), 3962-75 (2013).
 12. "A Molecular Dynamics Study of Polymer/Graphene Nanocomposites",
Anastassia N. Rissanou and Vagelis Harmandaris *Journal of Macromolecular Symposia* **331-332**, 43-49 (2013).
 13. "Dynamics of various Polymer/Graphene Interfacial Systems through Atomistic Molecular Dynamics",
Anastassia N. Rissanou and Vagelis Harmandaris *Soft Matter* **10**, 2876–2888 (2014).
 14. "Collapse Transitions in Thermosensitive Multi-block Copolymers: A Monte Carlo Study"
Anastassia N. Rissanou, Despoina S. Tzeli, Spiros H. Anastasiadis, Ioannis A. Bitsanis *Journal of Chemical Physics* **140**, 204904_1-13 (2014).
 15. "Properties of Polyethylene/Graphene Nanocomposites through Molecular Dynamics Simulations"
Anastassia N. Rissanou, Albert John Power and Vagelis Harmandaris, submitted in *Polymers*, 7, 390-417 (2015) (doi:10.3390/polym7030390).
 16. "Structural and Dynamical Properties of Polystyrene Thin Films Supported by Multiple Graphene Layers", Anastassia N. Rissanou and Vagelis Harmandaris, *Macromolecules*, DOI: 10.1021/ma502524e (2015).

17. "Edge-functionalized Graphene as a nanofiller: Molecular Dynamics Simulation Study", Petra Bacova, Anastassia Rissanou and Vagelis Harmandaris, to be submitted.

Publications in Conference Proceedings:

18. "Determination of Colloid Microstructure in Concentrated Dispersions", A. N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis and A. Dogariu, XVI Panhellenic Solid State Physics Conference Proceedings, p. 342, 2000.
19. "Configuration of a Polymer Chain in Bulk and Close to Surfaces near the Coil-to-Globule Transition ", A. N. Rissanou, I. A. Bitsanis and S.H. Anastasiadis, 4th Panhellenic Chemical Engineering Scientific Conference Proceedings p. 5, 2003.
20. "Temperature Induced Microstructural Changes in Suspensions of "Soft Colloids": Molecular Dynamics Simulations and Comparison with Experiments", A. N. Rissanou, D. Vlassopoulos, I. A. Bitsanis, 4th Panhellenic Chemical Engineering Scientific Conference Proceedings p. 41, 2003.
21. "Crystallization of Dense Suspensions of Multi-Arm Star Polymers", A. N. Rissanou, M. Yiannourakou, I. A. Bitsanis 5th Panhellenic Chemical Engineering Scientific Conference Proceedings, p. 637:640, 2005.
22. "Monte Carlo Molecular Simulation of linear and branched Polyethylene using new elementary moves", L. D. Peristeras, A. N. Rissanou, I. G. Economou 5th Panhellenic Chemical Engineering Scientific Conference Proceedings, p. 1025:1028, 2005.
23. "Microscopic Structure and Thermodynamic Properties of Polymer Mixtures Based on Efficient Monte Carlo Simulation Schemes" Anastassia N. Rissanou, Loukas D. Peristeras and Ioannis G. Economou 22nd European Symposium on Applied Thermodynamics (ESAT) 2006 Conference Proceedings, p. 333:336, Elsinore, Denmark 2006.
24. "Study of the Conformational Transitions of a Model Polymeric System using Monte Carlo Simulations", A. N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis, 6th Panhellenic Chemical Engineering Scientific Conference Proceedings, p. 141:144, 2007.
25. "Calculation of the Interaction Potential between Diblock-Arm Star Copolymers" A. N. Rissanou, D. Vlassopoulos, C. N. Likos 7th Panhellenic Chemical Engineering Scientific Conference Proceedings, 2009.
26. "Collapse Transitions in Thermosensitive Alternating Copolymers: A Monte Carlo Study", A. N. Rissanou, S. Burov, E. Manias I. A. Bitsanis 7th Panhellenic Chemical Engineering Scientific Conference Proceedings, 2009.
27. "A Molecular Dynamics Study of Polymer/Graphene Nanocomposites" Anastassia N. Rissanou and Vagelis Harmandaris The sixteenth European Conference for Composite Materials (ECCM16) Conference Proceedings, 2014.
28. "A Molecular Dynamics Study of Polymer/Graphene Interfacial Systems" Anastassia N. Rissanou and Vagelis Harmandaris

- 7th International Conference Times of Polymers and Composites (TOP) Proceedings, 2014.
29. "Molecular Simulations of Graphene based Polymer Nanocomposites"
Anastassia N. Rissanou and Vagelis Harmandaris
10th HELLENIC POLYMER SOCIETY CONFERENCE with International Participation (10th HPSC) Proceedings, 2014.
 30. "Conformational transitions of linear multiblock copolymer chains"
Despoina S. Tzeli, Anastassia N. Rissanou, Spiros H. Anastasiadis, and Ioannis A. Bitsanis
"Conformational transitions of linear multiblock copolymer chains"
10th HELLENIC POLYMER SOCIETY CONFERENCE with International Participation (10th HPSC) Proceedings, 2014.
 31. "Atomistic Molecular Dynamics Simulation Study of a Hybrid Poly(ethylene oxide) / Silica Nanoparticle System"
Vyron Sotirios Petrakis, Anastassia N. Rissanou, Vagelis Harmandaris, Kiriaki Chrisopoulou and Spiros H. Anastasiadis
10th HELLENIC POLYMER SOCIETY CONFERENCE with International Participation (10th HPSC) (04-06 December 2014) Proceedings, 2014.
 32. "Self-Assembly of Diphenylalanine and Chemically Modified Diphenylalanine Peptides on Various Solvents"
Anastassia N. Rissanou, Despoina Tzeli and Vagelis Harmandaris
10^o Panhellenic Scientific Chemical Engineering Congress Proceedings, Patra Greece, (June 4-6), 2015.
 33. "Dynamics of Graphene based Polymer Nanostructured Materials through Molecular Simulations",
Anastassia N. Rissanou, Petra Bacova and Vagelis Harmandaris
10^o Panhellenic Scientific Chemical Engineering Congress Proceedings, Patra Greece, (June 4-6), 2015.
 34. "Study of the Dynamics of Polymer/Graphene Nanocomposites Through Detailed Atomistic Simulations",
Anastassia N. Rissanou, Petra Bacova and Vagelis Harmandaris
8th International Congress of Computational Mechanics (GRACM) Proceedings, Volos Greece, (July 12-15) 2015.

Publications in Book's Chapters

1. "Mesoscopic Simulations of T-Induced Solidification in Dense Suspensions of Ultrasoft Supramolecules"
I.A. Bitsanis, A.N. Rissanou, M. Yannourakou, I.G. Economou, D. Vlassopoulos
Lecture Series on Computer and Computational Sciences Volume 6, 2006, p. 1:4, ICCMSE 2006, Chania, Crete, Greece.
2. "Conformational Transitions of a Model Polymeric System near Attractive Surfaces: A Monte Carlo Study"
A.N. Rissanou, I.A. Bitsanis, S.H. Anastasiadis
International Conference of Computational Methods in Sciences and Engineering 2007 (ICCMSE 2007) Volume 963, p. 428:431, 25-30 September Corfu, Kerkyra, Greece.

American Inst. of Physics Proceedings (T. E. Simos and G. Maroulis, Eds.), Vol. 963, pp. 428-431 (2007).

Teaching Experience:

- Academic year 2012-2013:
Assistant Professor (PD 407) in the Department of Applied Mathematics, in University of Crete
Teaching of:
(1st Semester) a) “General Physics I” (Mechanics, Waves, Thermodynamics)
(2nd Semester) b) “Computer Language” (Programming in C)
 - Academic year 2011-2012:
Assistant Professor (PD 407) in the Department of Applied Mathematics, in University of Crete
Teaching of:
(1st Semester) a) “General Physics I” (Mechanics, Waves, Thermodynamics)
(2nd Semester) b) “General Physics II” (Electricity, Magnetism, Optics)
 - Academic year 2010-2011:
Assistant Professor (PD 407) in the Department of Applied Mathematics, in University of Crete
Teaching of:
(1st Semester) a) “General Physics I” (Mechanics, Waves, Thermodynamics)
(2nd Semester) b) “General Physics II” (Electricity, Magnetism, Optics)
- Visiting (hourly rated) professor in the Technological Educational Institute of Crete in School of Applied Technology in:
- 1) Department of Music Technology & Acoustics (Branch of Rethymnon)
(A' and B' Semesters) Teaching of:
a) “ Introduction to Computer Programming ” (Introductory knowledge and Basic language - theory and laboratory)
 - 2) Applied Informatics and Multimedia Department (Heraklion)
(A' and B' Semesters) Teaching of:
a) “Programming” (C Language - laboratory).
- Academic years: 2008-2009
2009 - 2010:
Visiting (hourly rated) professor in the Technological Educational Institute of Crete in School of Applied Technology in
- 1) Department of Music Technology & Acoustics (Branch of Rethymnon)
(A' and B' Semesters) Teaching of:
a) “Introduction to Computer Programming ” (Introductory knowledge and Basic language - theory and laboratory)
b) “Programming Languages” (C Language - laboratory)
 - 2) Applied Informatics and Multimedia Department (Heraklio)
(A' and B' Semesters) Teaching of:

- a) “Programming” (C Language - laboratory).
- Academic year 2007-2008:
Visiting (hourly rated) professor in the Technological Educational Institute of Crete:
1) Department of Music Technology & Acoustics (Branch of Rethymnon)
(A’ and B’ Semesters) Teaching of:
 - a) “Introduction to Computer Programming ” (Introductory knowledge and Basic language - laboratory)
 - b) “Programming Languages” (C Language - laboratory)
- Academic year 2006-2007:
Visiting (hourly rated) professor in School of Pedagogical and Technological Education (ASPETE)
Teaching of:
 - a) Technology for Education and Multimedia
 - b) Educative Applications of Computers
- 1996-2003:
Physics Department - University of Crete
Assistant teaching in:
 - Laboratory of Physics I (Mechanics) (1 semester: 1996-1997)
 - Laboratory of Physics II (Electricity-Magnetism) (1 semester: 1996-1997)
 - Physics I (Mechanics, Thermodynamics, Cymatics) (2 semesters: 1997-1999)
 - Physics II (Electromagnetism, Optics) (2 semesters: 1997-1999)
 - Classical Mechanics II (Variational Principles, Lagrange Mechanics, Hamilton Mechanics, Canonical Perturbation Theory) (1 semester: 1999-2000)
 - Thermodynamics (3 semesters: 2000-2003)
 - Statistical Physics (undergraduate level) (3 semesters: 1999-2002)
 - Statistical Physics (graduate level) (1 semester: 2002-2003)

Participation in Conferences:

- **1999 September:**
A. Rissanou, I. A. Bitsanis, and S. H. Anastasiadis
"Interpretation of Light Scattering Data in Concentrated Dispersions"
European Science Foundation Conference on Interfacial Behavior in Polymer and Colloidal Systems, September 1999, Aghia Pelaghia, Crete, Greece (Poster Presentation).
- **2000 August:**
A. N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis, J. de Joannis, C. Mujat and A. Dogariu
"The Information Content of Multiple Scattering Data: Monte-Carlo and Laboratory Experiments"
Photon Correlation and Scattering 2000, Topical Meeting of the Optical Society of America, August 2000, Whistler, British Columbia, Canada (Oral Presentation).
- **2000 September:**

A. N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis, J. de Joannis, C. Mujat and A. Dogariu
"The Information Content of Multiple Scattering Data: Monte-Carlo and Laboratory Experiments"
14th Conference of the European Colloid and Interface Society, September 2000, Patras, Greece
(Oral Presentation).

- **2000 September:**

A. N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis, and A. Dogariu
"Determination of Colloid Microstructure in Concentrated Dispersions"
XVI Panhellenic Solid State Physics Conference, September 2000, Nafplion, Greece (Poster Presentation).

- **2001 January:**

1. A. N. Rissanou, A. Dogariu, S. H. Anastasiadis, and I.A. Bitsanis
"Monte Carlo Experiments for the Determination of Microstructure in Dense Colloidal Dispersions"
Euroconference on Chains @ Interfaces 2001, January 2001, Évora, Portugal (Poster Presentation).
2. A. N. Rissanou, I.A. Bitsanis and D. Vlassopoulos
"Temperature – Induced Microstructural Changes in Suspensions of "Soft Colloids": Monte Carlo simulations and comparison with experiments"
Euroconference on Chains @ Interfaces 2001, January 2001, Évora, Portugal (Poster Παρουσίαση)

- **2001 March:**

A. N. Rissanou, I. A. Bitsanis, S. H. Anastasiadis, and A. Dogariu
"A New Monte Carlo Methodology for the Interpretation of Multiple Scattering in Concentrated Suspensions"
General Meeting 01, American Physical Society, March 2001, Seattle, WA, U.S.A. Bull. Amer. Phys. Soc. **46**, 419 (2001) (Oral Presentation).

- **2001 June:**

E. Stiakakis, D. Vlassopoulos, G. Fytas, A. N. Rissanou, I. A. Bitsanis
"Gelation Phenomena in Soft Colloidal Spheres"
Third International Meeting of The Hellenic Society of Rheology, June 2001, Patras, Greece
(Oral Presentation).

- **2001 September:**

Interfaces and Colloidal Systems September 2001. EuroConference of Interfaces and Thin Films of Polymers and Colloidal Systems, Acquafredda di Maratea, Italy.
(2 Posters Presentation).

- **2001 December:**

A. N. Rissanou, D.Vlassopoulos, I. A. Bitsanis
"Temperature Induced Microstructural Changes in Suspensions of 'Soft Colloids': Monte Carlo Simulations and Comparisons with Experiments"
5th Panhellenic Conference of Polymers, ELEP, December 2001, Heraklion Crete, Greece
(Oral Presentation).

- **2002 September:**

1. A. N. Rissanou, I. A. Bitsanis, S

XVIII Panhellenic Solid State Physics Conference, September 2002, Heraklion Crete, Greece (Poster Presentation)

2. A. N. Rissanou, D. Vlassopoulos, I. A. Bitsanis

“Temperature Induced Microstructural Changes in Concentrated Suspensions of Multi-arm Star Polymers: A Monte Carlo Study”

XVIII Panhellenic Solid State Physics Conference, September 2002, Heraklion Crete, Greece (Poster Presentation)

- **2003 March:**

A. N. Rissanou, I. A. Bitsanis, and S. H. Anastasiadis

"Configuration of a polymer chain in bulk and close to surfaces near the coil-to-globule transition"

General Meeting 03, American Physical Society, March 2003, Austin, TX, U.S.A.

Bull. Amer. Phys. Soc. **48**, 1309 (2003) (Oral Presentation).

- **2003 March:**

EMCC-3, 3rd Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean, March 2003, Thessaloniki, Greece.

2003 March:

A. N. Rissanou, S. H. Anastasiadis, and I. A. Bitsanis

"Configuration of a polymer chain in bulk and close to surfaces near the coil-to-globule transition: anomalous dependence on the molecular weight"

European Science Foundation Conference on Complex Fluid Interfaces, (29/03 – 03/04) 2003, San Feliu de Guixols, Spain (Poster Presentation).

- **2003 May:**

A. N. Rissanou, I. A. Bitsanis, and S. H. Anastasiadis

"Configuration of an Isolated Polymer Chain in Bulk and Close to Surfaces Near the Coil-to-globule Transition"

4th Panhellenic Chemical Engineering Scientific Conference, May 2003, Patras, Greece (Oral Presentation).

- **2004 March:**

I. A. Bitsanis, A. N. Rissanou, D. Vlassopoulos

“Temperature-Induced Microstructural Changes in Suspensions of Soft-Colloids: Molecular Dynamics Simulations”

General Meeting 04, American Physical Society, March 2004, Montreal, Quebec, Canada, U.S.A. (

Colloids and Polymeric Assemblies near to and far from Equilibrium, Concluding Symposium, June 2004, Koutouloufari Crete, Greece (Poster Presentation).

2. A. N. Rissanou, D. Vlassopoulos, I.A. Bitsanis

“The Origin of Thermally-Induced Vitrification in Suspensions of Multi-arm Star Polymers: A MD study”

Colloids and Polymeric Assemblies near to and far from Equilibrium, Concluding Symposium, June 2004, Koutouloufari Crete, Greece (Poster Presentation).

- **2004 September:**

Bridging the Scales (SIMU), September 2004, Genova, Italy
(Poster Presentation).

- **2005 April:**

1. A. N. Rissanou, I.G. Economou and I.A. Bitsanis

“Mesoscopic Simulation of Crystallization Processes of Multi-Arm Star Polymers”
Thermodynamics 2005, April 2005, Sesimbra, Portugal (Oral Presentation).

2. I. G. Economou, L.D. Peristeras, A.N. Rissanou and D.N. Theodorou

“Atomistic Monte Carlo Simulation of Structure and Thermodynamic Properties of Polymer Mixtures”

Thermodynamics 2005, April 2005, Sesimbra, Portugal (Oral Presentation).

- **2005 May:**

1. A. N. Rissanou, M. Yiannourakou, I. A. Bitsanis

“Crystallization of Dense Suspensions of Multi-Arm Star Polymers”,

5th Greek Chemical Engineering Scientific Conference, May 2005, Thessaloniki, Greece (Oral Presentation).

2. L. D. Peristeras, A.N. Rissanou and I.G. Economou,

“Monte Carlo Simulation of Linear and Branched Polyethylene Using New Elementary Moves”,

5th Greek Chemical Engineering Scientific Conference, May 2005, Thessaloniki, Greece (Oral Presentation).

- **2006 April:**

I. A. Bitsanis, A.N. Rissanou, D. Vlassopoulos and I.G. Economou

“Molecular Dynamics Studies of Temperature Induced Solidification in Suspensions of Multi-arm Star Polymers”

International Conference of Computational Methods in Sciences and Engineering (ICCMSE 2006), (27/10-01/11) 2006, Chania, Crete, Greece (Oral Presentation).

- **2006 November:**

1. A. N. Rissanou, I.G. Economou and A.Z. Panagiotopoulos,
“Monte Carlo Simulation of the Phase Behavior of Model Dendrimers”,
6th Hellenic Conference in Polymers, (03/11-05/11) 2006, Patras, Greece
(Oral Presentation).

2. M. Yiannourakou, I.A. Bitsanis, A.N. Rissanou, I.G. Economou and D. Vlassopoulos,
“Mesoscopic Simulations of T-Induced Solidification in Dense Suspensions of Ultrasoft Supramolecules”,
6th Hellenic Conference in Polymers, (03/11-05/11) 2006, Patras, Greece
(Oral Presentation).

- **2006 November:**

I.G. Economou, A.N. Rissanou, L.D. Peristeras and D.N. Theodorou,
“Structure and Thermodynamic Properties of Linear - Tri-Arm Polyolefin Blends Based on Novel Atomistic Monte Carlo Simulation Schemes”,
AIChE Annual Meeting, Session No 202, (12/11-17/11) 2006, San Francisco, California, USA
(Oral Presentation).

- **2007 March:**

I.A. Bitsanis, A. N. Rissanou, and S. H. Anastasiadis
"Collapse transition of a chain in the bulk and next to adsorbing surfaces"
General Meeting 07, American Physical Society Meeting, March 2007, Denver, CO, U.S.A.
Bull. Amer. Phys. Soc. **52**, S17.00012 (2007) (Oral Presentation).

- **2007 May:**

1. A. N. Rissanou, L.D. Peristeras and I.G. Economou,
“Calculation of the Effect of Macromolecular Architecture on Structure and Thermodynamic Properties of Linear - Tri-arm Polyethylene Blends from Monte Carlo Simulation”
11th International Conference on Properties & Phase Equilibria for Product and Process Design, (PPEPPD 2007), (20/05-25/05) 2007, Hersonissos, Crete, Greece (Poster Presentation).

2. A. N. Rissanou, I. A. Bitsanis and S. H. Anastasiadis,
“Chain Collapse in the bulk and next to adsorbing surfaces”,
11th International Conference on Properties & Phase Equilibria for Product and Process Design (PPEPPD 2007), (20/05-25/05) 2007, Hersonissos, Crete, Greece (Poster Presentation).

- **2007 May:**

A. N. Rissanou, I. A. Bitsanis, and S. H. Anastasiadis
"Investigation of the Coil-to-Globule Transition of Model Polymer Systems Utilizing Monte Carlo Simulations"
6th Panhellenic Chemical Engineering Scientific Conference, (

Soft, Complex, and Biological Matter Conference, (15/07-19/07) 2007, Città del Mare, Terrasini Sicily (Poster Presentation).

- **2007 September:**

I. A. Bitsanis, A. N. Rissanou, and S. H. Anastasiadis

"Conformational Transitions of a Model Polymeric System near Attractive Surfaces: A Monte Carlo Study"

International Conference of Computational Methods in Sciences and Engineering (ICCMSE 2007), September 2007, Corfu, Greece (Oral Presentation).

- **2008 June:**

Anastassia N. Rissanou, Evangelos Manias, Ioannis A. Bitsanis

"Collapse Transitions in Thermosensitive Multi-block Copolymers: A Monte Carlo Study"

IFPRI - The International Fine Particles Research Institute, AGM Meeting 2008, (14/06-19/06) 2008, Hersonisos, Crete, Greece (Poster Presentation).

- **2008 September:**

A. Evangelopoulos, V. Koutsos, A. N. Rissanou, I. Bitsanis

"Shape Analysis of Polymers Chains near Attractive Surfaces: A Monte Carlo Study"

Hellenic Solid State Physics Conference, (21/9-24/9) 2008, Heraklion, Crete, Greece (Poster Presentation).

- **2008 September:**

1. A. N. Rissanou, D. Vlassopoulos, C. N. Likos

"Molecular Dynamics Simulations of Diblock-Arm Star Polymers"

7th Greek Polymer Conference, (28/9-01/10) 2008, Ioannina, Greece (Oral Presentation).

2. I. A. Bitsanis, A.N. Rissanou, M. Yannourakou, I.G. Economou and D. Vlassopoulos,

"Simulations of Temperature Induced Ageing and Crystallization in Dense Suspensions of Ultrasoft Colloids",

7th Greek Polymer Conference, (28/9-01/10) 2008, Ioannina, Greece (Oral Presentation).

3. A. N. Rissanou, I.A. Bitsanis, E. Manias

“Calculation of the Interaction Potential between Diblock-Arm Star Copolymers”

7th Panhellenic Chemical Engineering Scientific Conference, (03/06-05/06) 2009, Patras, Greece (Oral Presentation).

2. A. N. Rissanou, S. Burov, E. Manias I. A. Bitsanis

“Collapse Transitions in Thermosensitive Alternating Copolymers: A Monte Carlo Study”

7th Panhellenic Chemical Engineering Scientific Conference, (03/06-05/06) 2009, Patras, Greece (Oral Presentation).

3. I. A. Bitsanis, A.N. Rissanou, M. Yiannourakou and I.G. Economou,

“Simulations of Temperature Induced Ageing and Crystallization in Dense Suspensions of Ultrasoft Colloids”

7th Panhellenic Chemical Engineering Scientific Conference, (03/06-05/06) 2009, Patras, Greece (Oral Presentation).

- **2010 October:**

1. A.N. Rissanou, E. Manias, I. A, Bitsanis

“COLLAPSE TRANSITIONS IN THERMOSENSITIVE MULTI-BLOCK COPOLYMERS: A MONTE CARLO STUDY”

8th Hellenic Polymer Society Symposium, (24/10-29/10) 2010, Hersonissos, Crete, Greece. (Poster Presentation).

2. A.N. Rissanou, S.H. Anastasiadis, I. A, Bitsanis

“A MONTE CARLO STUDY OF THE COIL-TO-GLOBULE TRANSITION OF MODEL POLYMER CHAINS IN BULK AND NEAR AN ATTRACTIVE SURFACE

8th Hellenic Polymer Society Symposium, (24/10-29/10) 2010, Hersonissos, Crete, Greece. (Poster Presentation).

- **2011 June:**

Anastassia N. Rissanou, Vagelis Harmandaris

“HIERARCHICAL MODELING OF PROTEIN ASSEMBLIES AT MULTIPLE LENGTH AND TIME SCALES”

Coarse-graining of many-body systems: analysis, computations and applications. Archimedes Center for Modeling, Analysis and Computation (ACMAC) Workshop, June 27 – July 1, 2011, Heraklion, Greece (Poster Presentation).

- **2012 September:**
Anastassia N. Rissanou and Vagelis Harmandaris,
 “STUDY OF THE PROPERTIES OF A POLYSTYRENE/GRAPHENE SYSTEM THROUGH DETAILED ATOMISTIC SIMULATIONS”, *GrapHEL - A European Conference/Workshop on the Synthesis, Characterization and Applications of Graphene (27-30/09) 2012, Mykonos, Greece.* (Oral Presentation)
- **2012 October:**
Vagelis Harmandaris, Anastassia Rissanou
 "Molecular Simulations of Biomolecular Systems", ACMAC workshop on “Cell biology and physiology: PDE models”, ACMAC Center, Heraklion, Crete, Greece, October 4-6, 2012.
- **2012 November:**
Anastassia N. Rissanou and Vagelis Harmandaris,
 “PROPERTIES OF POLYMER/GRAPHENE SYSTEMS THROUGH DETAILED ATOMISTIC SIMULATIONS”, *9th Hellenic Polymer Society Conference (29/11-01/12) 2012, Thessaloniki, Greece.* (Oral Presentation)
- **2013 January:**
Anastassia N. Rissanou
 “Atomistic molecular simulations using GROMACS”. *Software Frameworks for Challenging Computational Problems. Archimedes Center for Modeling, Analysis and Computation (ACMAC) (14/01-18/01) 2013, Heraklion, Crete, Greece.* (Oral Presentation)
- **2013 July:**
 1. Anastassia N. Rissanou and Vagelis Harmandaris,
 “A Molecular Dynamics Study of Polymer/Graphene Nanocomposites”. *10th International Conference on Nanosciences & Nanotechnologies –NN13 (9-12 July 2013), Thessaloniki, Greece.* (Oral Presentation)
 2. Anastassia N. Rissanou and Vagelis Harmandaris,
 “Effect of Solvent on the Self-Assembly of Dialanine and Diphenylalanine Peptides”. *10th International Conference on Nanosciences & Nanotechnologies –NN13 (9-12 July 2013), Thessaloniki, Greece.* (Poster Presentation)
- **2014 April:**
Anastassia N. Rissanou, Evangelos Georgilis, Emmanouil Kasotakis, Anna Mitraki and Vagelis Harmandaris
 “Effect of Solvent on the Self-Assembly of Dialanine and Diphenylalanine Peptides”
The Physics of Soft and Biological Matter Conference, (14 – 16 April 2014), Homerton College, Cambridge, UK. (Poster Presentation).
- **2014 May:**
Anastassia N. Rissanou and Vagelis Harmandaris
 “Study of Polymer/Graphene Interfacial Systems through Molecular Dynamics Simulations”
SoftComp Annual Meeting (26-30 May 2014) Heraklion Crete Greece. (Oral presentation).

- **2014 June:**
Anastassia N. Rissanou and Vagelis Harmandaris
 “A Molecular Dynamics Study of Polymer/Graphene Nanocomposites”
The sixteenth European Conference for Composite Materials (ECCM16) Conference (22-26 June 2014) Seville Spain. (Oral presentation).
- **2014 June:**
Vagelis Harmandaris, Anastassia Rissanou
 “Hierarchical Multi-scale Modeling of Hybrid Polymer/Solid Complex Systems”, Multiscale Computational Methods in Materials Modelling, Edinburgh, UK, June 17-21, 2014.
- **2014 June:**
Anastassia N. Rissanou and Vagelis Harmandaris
 “A Molecular Dynamics Study of Polymer/Graphene Interfacial Systems”
7th International Conference Times of Polymers and Composites (TOP) (22-26 June 2014) Ischia Italy. (Oral presentation).
- **2014 July:**
Anastassia N. Rissanou and Vagelis Harmandaris
 “Molecular Simulations of Graphene based Polymer Nanocomposites”
NN14 – 11th International Conference on Nanosciences and Nanotechnologies (8-11 July 2014) Thessaloniki Greece. (Oral presentation).
- **2014 September:**
 1. Anastassia N. Rissanou and Vagelis Harmandaris
 “Study of Polymer/Graphene Interfacial Systems through Molecular Dynamics Simulations”
The 30th Pan-hellenic conference on Solid-State Physics and Materials Science (21-24 September 2014) Heraklion Crete Greece. (Oral presentation).
 2. Anastassia N. Rissanou, Despoina S. Tzeli, Spiros H. Anastasiadis, and Ioannis A. Bitsanis
 “Collapse transitions in thermosensitive multi-block copolymers: A Monte Carlo study”
The 30th Pan-hellenic conference on Solid-State Physics and Materials Science (21-24 September 2014) Heraklion Crete Greece. (Poster presentation).
 3. V.S. Petrakis, A.N. Rissanou, V. Harmandaris, K. Chrisopoulou S. H. Anastasiadis
 “Atomistic Molecular Dynamics simulation study of a hybrid Poly (ethylene oxide) / Silica nanoparticle system”
The 30th Pan-hellenic conference on Solid-State Physics and Materials Science (21-24 September 2014) Heraklion Crete Greece. (Poster presentation).
- **2014 November:**
Vagelis Harmandaris, Anastassia Rissanou
 “Hierarchical Multi-scale Modeling of Hybrid Polymer/Graphene Systems”, Department of Physics, University of Goettingen, Goettingen, Germany November 04, 2014.
- **2014 December:**
 1. Anastassia N. Rissanou and Vagelis Harmandaris
 “Molecular Simulations of Graphene based Polymer Nanocomposites”
10th HELLENIC POLYMER SOCIETY CONFERENCE with International Participation (10th HPSC) (04-06 December 2014) Rio-Patras, Greece. (Oral presentation).
 2. Despoina S. Tzeli, Anastassia N. Rissanou, Spiros H. Anastasiadis, and Ioannis A. Bitsanis

“Conformational transitions of linear multiblock copolymer chains”

10th HELLENIC POLYMER SOCIETY CONFERENCE with International Participation (10th HPSC) (04-06 December 2014) Rio-Patras, Greece. (Poster presentation).

3. Vyron Sotirios Petrakis, Anastassia N. Rissanou, Vagelis Harmandaris, Kiriaki Chrisopoulou Spiros H. Anastasiadis

“Atomistic Molecular Dynamics Simulation Study of a Hybrid Poly(ethylene oxide) / Silica Nanoparticle System”

10th HELLENIC POLYMER SOCIETY CONFERENCE with International Participation (10th HPSC) (04-06 December 2014) Rio-Patras, Greece. (Poster presentation).

- **2014 December:**

Vagelis Harmandaris, Anastassia Rissanou

“Hierarchical Multi-scale Modeling of Polymer Nanocomposites”, Department of Mathematics and Statistics, University of Cyprus, Cyprus, December 19, 2014.

- **2015 March:**

1. Anastassia N. Rissanou and Vagelis Harmandaris

“Study of Polymer/Graphene Nanocomposites through Atomistic Molecular Dynamics Simulations” American Physical Society (APS) March Meeting 2015, March 2–6, 2015; San Antonio, Texas, USA.

2. Petra Bacova, Anastassia Rissanou and Vagelis Harmandaris

“Detailed atomistic simulations of functionalized graphene/polymer systems”

American Physical Society (APS) March Meeting 2015, March 2–6, 2015; San Antonio, Texas, USA.

- **2015 April:**

1. Anastassia N. Rissanou, Despoina Tzeli and Vagelis Harmandaris

“Self-Assembly of Diphenylalanine and Chemically Modified Diphenylalanine Peptides on Various Solvents”, COST HINT Action, Annual Meeting: Nanostructured Hybrid Materials II April 22-24, 2015, Heraklion Crete Greece.

2. V. S. Petrakis, A. J. Power, A. N. Rissanou, V. Harmandaris, K. Chrissopoulou, S. H. Anastasiadis, “Atomistic Molecular Dynamics Simulations of Hybrid Nanocomposites Systems with Inorganic Compounds in Polymer Matrix”, COST HINT Action, Annual Meeting: Nanostructured Hybrid Materials II April 22-24, 2015, Heraklion

“Dynamics of Graphene based Polymer Nanostructured Materials through Molecular Simulations”, 10^o Panhellenic Scientific Chemical Engineering Congress, Patra Greece, June 4-6, 2015.

- **2015 June:**

Anastassia N. Rissanou, Petra Bacova and Vagelis Harmandaris

“Hierarchical Modeling of Hybrid Polymer/Solid Nanostructured Systems”, Mainz Simulation Days, Mainz, Germany, June 10-13, 2015.

- **2015 June:**

Anastassia N. Rissanou, Petra Bacova and Vagelis Harmandaris

"Hierarchical Simulations of Graphene based Polymer Nanostructured Materials", Workshop: Polymer Nanocomposites, NTUA, Athens, June 16-17, 2015.

- **2015 June:**

Anastassia N. Rissanou and Vagelis Harmandaris

“Dynamical Studies of Graphene based Polymer Nanocomposites”, European Polymer Federation (EPF), June 21-26, 2015, Dresden, Germany.

- **2015 June:**

Anastassia N. Rissanou, Petra Bacova and Vagelis Harmandaris

“Dynamics of Graphene based Polymer Nanocomposites through Molecular Simulations”, Rheology Symposium in honor of Prof. Roger I. Tanner, Samos, Greece, June 29 – July 03, 2015.

- **2015 July:**

Anastassia N. Rissanou, Petra Bacova and Vagelis Harmandaris

“Dynamical Studies of Graphene based Polymer Nanocomposites”, 8th International Congress of Computational Mechanics (GRACM), July 12-15, 2015, Volos, Greece.

Courses-Schools Attended:

- 1995 July: 7th Summer School organized by the Physics Department of University of Crete. (6th award possession after examination attendance.)
- 1996 July: 8th Summer

- French (Basic knowledge)

Hobbies:

Traveling around the world

Reading Books, Writting

Music and Cinema