Comprehensive list of invited talks (T)
I have delivered ~160 invited seminars, colloquia, and plenary lectures and contributed talks listed below. Over 100 invited talks have been given after joining Syracuse University. They are provided below in inverse chronological order. The presentations are annotated as Invited, Selected or Contributed.

2019

T162. The Cambridge Healthtech Institute’s 14th Annual “Difficult-to-Express Proteins – Overcoming Expression Challenges” Conference, as part of the 15th Annual PEGS Summit – The Essential Protein Engineering Summit, April 8-12, 2019, Boston, Massachusetts, USA. A High-Throughput Approach for Kinetics of Membrane Protein-Detergent Complex Interactions, 30 min., Invited.

2018


T159. Chemistry Seminar, Department of Chemistry and Biomolecular Science, Clarkson University, November 2nd, 2018, Potsdam, New York, USA, “Engineered Nanopores for Fundamental and Applied Biotechnology,” 60 min., Invited.


T153. Condensed Matter and Biological Physics Seminar, Tufts University, Department of Physics and Astronomy, May 16, 2018, Medford, Massachusetts, USA. “Interrogating single proteins with a nanopore: challenges and opportunities,” 60 min., Invited.

T152. Chemical Biology Seminar, Department of Chemistry and Biochemistry, The University of Delaware, March 5th, 2018, Newark, Delaware, USA. “Engineered Protein Nanopores for Challenging Tasks in Molecular Biomedical Diagnostics,” 60 min., Invited.

2017


2016

T148. Chemistry Seminar, Department of Chemistry, The University of Massachusetts at Amherst, December 1st, 2016, Amherst, Massachusetts, USA, Interrogating the membrane protein-detergent interfacial dynamics, 60 min., Invited.


2015


T143. SCIX 2015 Conference, Symposium devoted to “Biopolymers in Electric Fields,” American Electrophoresis Society, Rhode Island Convention Center, September 27 – October 2, 2015, Providence, Rhode Island, USA, Engineered Protein Nanopores for Challenging Tasks in Molecular Diagnosis, 30 min., Invited.
T142. Chemistry Colloquium, Department of Chemistry, Syracuse University, September 15, 2015, Syracuse, New York, USA, Engineered Protein Nanopores for Challenging Tasks in Molecular Diagnosis, 50 min., Invited.


T137. The 2015 International Workshop on Protein Electrostatics, Telluride Science Research Center (TSRC), July 6-10, 2015, Telluride, Colorado, USA. “Non-additive electrostatic effects on polypeptide translocation through channels and pores,” 50 min., Invited.

T136. Bioengineering Seminar, The REU Program in Biomaterials and Biointerfaces funded through National Science Foundation, Syracuse Biomaterials Institute, Syracuse University, July 2nd, 2015, Syracuse, New York, USA. Challenges and opportunities in nanopore technologies, 50 min, Invited.

T135. Bioengineering Seminar in Department of Biomedical Engineering, The City College of the City University of New York, April 29, 2015, New York City, New York, USA, Engineered Protein Nanopores for Challenging Tasks in Molecular Diagnosis, 60 min., Invited.

T134. Open Visiting Day for Accepted Graduate Students, Department of Physics, Syracuse University, March 23rd, 2015, Syracuse, New York, USA. Medical Physics and Biophysics at SU, 20 min., Invited.

2014

T133. The 9th Undergraduate Research Day & Open House, Department of Physics, Syracuse University, November 15th, 2014, Syracuse, New York, USA, Biological Physics with a Single Nanopore: Big Promise of Tiny Holes, 30 min., Invited.

T132. Physics Seminar, Syracuse University Project Advance (SUPA), Syracuse University, Lubin House, November 7th, 2014, New York City, New York, USA. Biological Physics with a Single Nanopore: Big Promise of Tiny Holes, 80 min., Invited.

T131. Physics Seminar, Syracuse University Project Advance (SUPA), Syracuse University, November 5th, 2014, Syracuse, New York, USA. Biological Physics with a Single Nanopore: Big Promise of Tiny Holes, 80 min., Invited.

T130. Condensed Matter and Biological Physics Seminar, Department of Physics, Brown University, September 18, 2014, Providence, Rhode Island, USA. Nanopore Technology for the Analysis of Proteins and DNA, 60 min., Invited.
T129. Modeling of Biomolecular Systems Interactions, Dynamics, and Allostery: Bridging Experiments and Computations, September 10-14, 2014, Koç University - School of Medicine and College of Engineering, American Hospital, Nisantasi Campus, Istanbul, Turkey, Engineered Protein Nanopores for Challenging Tasks in Molecular Diagnosis, 20 min., Invited.

T128. Ph.D. Graduate Program in Physics at Syracuse University, Department of Physics, Syracuse University, August 19th, 2014, Syracuse, New York, USA, Biological and Medical physics at Syracuse University, 15 min., Contributed.


T125. Biomaterials Talk, The Syracuse Biomaterials Institute – Advisory Board Meeting, The Syracuse Biomaterials Institute, Syracuse University, April 8, 2014, Syracuse, New York, Engineered Protein Nanopores for Controlled Chemical Release, 20 min., Invited.

T124. Meeting of the Office of Advising and Academic Support, College of Arts and Sciences, Syracuse University, May 13th, 2014, Syracuse, New York, USA, Biophysical Science Major at Syracuse University, 20 min., Contributed.

2013

T123. Biology Seminar, Department of Biology, Syracuse University, November 11, 2013, Syracuse, New York, USA, Engineered Protein Nanopores for the Analysis of Proteins and DNA, 60 min., Invited.

T122. The 7th International Summer School of Biophysics: “Transport through Nanopores: From Understanding to Engineering,” July 28th – August 3rd, 2013, Bremen, Germany, Engineered protein nanopores for single protein detection, 45 min., Invited.


T118. Workshop on “The use of nanopore technology for the analysis of proteins and DNA,” The American Association for Clinical Chemistry (AACC) Oak Ridge Conference, 18-19 April, 2013, Baltimore, Maryland, USA, Nanopore Technology for the Analysis of Proteins and DNA, 30 min., Invited.
2012


**T116.** Guest Lecture, Biotechnology Program, Department of Biology, Syracuse University, 9th November, 2012, Syracuse, New York, USA. *Single-molecule protein detection using engineered nanopores, 50 min., Invited.*


**T113.** Ph.D. Graduate Program in Physics at Syracuse University, Department of Physics, Syracuse University, August 21st, 2012, Syracuse, New York, USA, *Biological and medical physics at Syracuse University, 15 min., Contributed.*


**T111.** Department of Physics and Chemical Biology, Northeastern University, 19th April, 2012, Boston, Massachusetts, USA. *Single-molecule Science with Engineered Nanopores, 60 min., Invited.*

**T110.** The International Conference on Nanotechnology and Nanomedicine, NANO 2012, The OMICS Group Conferences, Omaha Marriott Hotel Center, 14 March, 2012, Omaha, Nebraska, USA. *Engineered Nanopores for Protein Detection, 40 min., Invited.*

2011

**T109.** Department of Polymer Science and Engineering, University of Massachusetts at Amherst, 13 December, 2011, Amherst, Massachusetts, USA. *Single-molecule detection using engineered nanopores, 50 min., Invited.*

**T108.** Guest Lecture, Biotechnology Program, Department of Biology, Syracuse University, 14 November, 2011, Syracuse, New York, USA. *Single-molecule detection using engineered nanopores, 50 min., Invited.*

**T107.** 8th International Conference on Flow Dynamics, Molecular and Nanoscale Phenomena in Fluids and Interfaces, Sendai International Center, Tohoku University, November 9th-11th, 2011, Sendai, Japan. *Stabilizing protein nanopores, 40 min., Invited.*


T100. Open Visiting Day for Accepted Graduate Students, Department of Physics, Syracuse University, March 28th, 2011, Syracuse, New York, USA. Medical Physics and Biophysics at SU, 20 min., Invited.

2010


T97. Institute of Natural Sciences, and Department of Physics, Shanghai Jiao Tong University, December 6-10, 2010, Shanghai, China. Single-molecule Science with A Nanopore: Inspiration from Nature, 60 min., Invited.


T88. The International Summer School “Transport across membranes: multiple drug resistance, mechanisms and tools”, 462th WE Heraeus Seminar, Jacobs University of Bremen, 4-10 July, 2010, Bremen, Germany, Functional Reconstitution of a Bacterial Bicomponent ABC Transporter, 45 min., Invited.


T82. The 6th Workshop of the Mathematical Biosciences Institute (MBI) of the Ohio State University at Columbus: “Transport in A Cell,” April 12-16, 2010, Columbus, Ohio, USA, Molecular Transport With and Without ATP, to be delivered, 45 min., Invited.

2009


T80. The 4th Undergraduate Research Day & Open House, Department of Physics, Syracuse University, November 14th, 2009, Syracuse, New York, USA, Single-molecule Science with A Nanopore, 30 min., Invited.

| T73. | Seminar Series of The Nanostar Institute, Department of Physics, The University of Virginia, March 12th, 2009, Charlottesville, Virginia, USA, *Single-molecule biophysics with a protein nanopore*, 60 min., Invited. |
| T71. | ICES Seminar – Molecular Biophysics Series, The University of Texas at Austin, Department of Chemistry and Biochemistry, February 13th, 2009, Austin, Texas, USA, *Interrogating single proteins with a nanopore: challenges and opportunities*, 60 min., Invited. |
| T70. | Departments of Chemistry, and Chemical and Biomolecular Engineering, Rice University, February 11th, 2009, Houston, Texas, USA, *Interrogating single proteins with a nanopore: challenges and opportunities*, 60 min., Invited. |

**2008**

| T68. | Seminar Series of Condensed Matter & Biological Physics, Syracuse University, Department of Physics, December 5th, 2008, Syracuse, New York, USA, *Interrogating single proteins with a nanopore: challenges and opportunities*, 60 min., Invited. |


T61. Ph.D. Graduate Program in Physics at Syracuse, Department of Physics, Syracuse University, August 25th, 2008 Syracuse, New York, USA, Biological and medical physics at Syracuse University, 20 min., Contributed.

T60. The Tech Forum Workshop, The Syracuse Center of Excellence in Environmental and Energy Systems, Syracuse University, June 23rd, 2008, Syracuse, New York, USA, Bionanotechnology at Syracuse, 15 min., Contributed.


T58. Seminar Series of Biological Physics, The University of Illinois at Urbana-Champaign, Department of Physics, March 7th, 2008, Urbana-Champaign, Illinois, USA, Single-molecule biophysics with a protein nanopore, 60 min., Invited.

2007

T57. The NSF Workshop on Biosensing and Bioactuation, The University of Maryland, Department of Aerospace Engineering, November 27th, 2007, College Park, Maryland, USA, Single-molecule stochastic sensing with protein nanopores, 20 min., Contributed.


T55. Department of Physics, Division of Condensed Matter, and Biological and Medical Physics, The University of Rochester, November 5th, 2007, Rochester, New York, USA, Single-molecule biological physics with a protein nanopore, 60 min., Invited.

T54. “Frontiers of Science” Lecture Series, Syracuse University, Department of Science Teaching, Syracuse University, October 10th, 2007, Syracuse, New York, USA, Bionanotechnology: between reality and dream, 60 min., Invited.

T53. Department of Biochemistry and Molecular Biology, The State University of New York - Upstate Medical University, October 1st, 2007, Syracuse, New York, USA, Single-molecule biophysics with a protein nanopore, 60 min., Invited.

T52. Department of Biomedical and Chemical Engineering, Syracuse University, September 21st, 2007, Syracuse, New York, USA, Single-molecule biophysics with a protein nanopore, 60 min., Invited.


T48. Department of Physics, and Center for Materials Research, Clarkson University, April 20th, 2007, Potsdam, New York, USA, Single-molecule biophysics with a protein nanopore, 60 min., Invited.


2006

T46. 2nd Summer School: “Biosensing with channels: Heading for faster, smaller, smarter biosensors”, International University of Bremen, July 28th - August 4th, 2006, Bremen, Germany, Protein translocation at single-molecule resolution, 60 min., Invited.

T45. NanoCuse Workshop, State University of New York at Syracuse – Environmental Science and Forestry, April 19th, 2006, Syracuse, New York, USA, Stochastic sensing with a single protein nanopore, 60 min., Contributed.

T44. The NEUROFEST Workshop, sponsored by the Neuroscience Program at SUNY Upstate Medical University, March 30th-31st, 2006, Skaneateles, New York, USA, Protein translocation at single-molecule resolution, 40 min., Invited.

T43. Invited Plenary Lecture for Symposium on Nanopore Biophysics, APS March Meeting, American Physical Society, March 13th-17th, 2006, Baltimore, Maryland, USA, Protein unraveling through a single protein nanopore, 35 min., Invited.

2005

T42. 1st New York Complex Matter Workshop, Department of Physics, Syracuse University, December 2nd, 2005, Syracuse, New York, USA, Watching an unusual temperature-responsive nanostructure, 30 min., Invited.


T40. Department of Chemistry and Biochemistry, The University of Texas at Austin, October 20th, 2005, Austin, Texas, USA, Stochastic sensing with a single protein nanopore, 60 min., Invited.

T39. Department of Physics, Brown University, September 15th, 2005, Providence, Rhode Island, USA, Single polymer detection with a protein nanopore, 60 min., Invited.

T38. “Second Focused Workshop on Electronic Recognition of Bio-molecules”, Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign, September 7-9, 2005, Urbana-Champaign, Illinois, USA, Stochastic sensing with a single protein nanopore, 30 min., Contributed.


T35. 49th Annual Meeting of the American Biophysical Society, February 16th, 2005, Long Beach, California, USA, Temperature-responsive protein nanopores, 15 min., Contributed.

2004

T34. Department of Biomedical and Chemical Engineering, Syracuse University, School of Engineering, October 22nd, 2004, Syracuse, New York, USA, Single polymer detection with a protein nanopore, 60 min., Invited.


T32. Department of Polymer Science & Engineering, The University of Massachusetts, March 1st, 2004, Amherst, Massachusetts, USA, Single polymer dynamics within a protein nanopore, 60 min., Invited.

T31. Department of Physics and Astronomy, The University of California at Irvine, School of Arts and Sciences, February 23rd, 2004, Irvine, California, USA, Single molecule-biophysics with a protein nanopore, 60 min., Invited.

T30. Department of Physics and Astronomy, The University of Georgia, School of Arts and Sciences, February 19th, 2004, Athens, Georgia, USA, Single molecule-biophysics with a protein nanopore, 60 min., Invited.


T27. Department of Physics, Emory University, College of Arts and Sciences, February 2nd, 2004, Atlanta, Georgia, USA, Single molecule-biophysics with a protein nanopore, 60 min., Invited.

T26. Dalton Cardiovascular Research Institute, Department of Biological Engineering, University of Missouri at Columbia, School of Engineering, January 29th, 2004, Columbia, Missouri, USA, Single molecule-biophysics with a protein nanopore, 60 min., Invited.

T25. Department of Physics, University of Alabama at Birmingham, College of Liberal Arts and Sciences, January 23rd, 2004, Birmingham, Alabama, USA, Single-molecule biophysics with a protein nanopore, 60 min., Invited.

T24. School of Physics and Astronomy, Institute of Technology, University of Minnesota at Minneapolis, January 20th, 2004, Minneapolis, Minnesota, USA, Single-molecule biophysics with a protein nanopore, 60 min., Invited.
T23. Department of Physics, Condensed Matter/Statistical Physics Seminar, Syracuse University, College of Arts and Sciences, January 16th, 2004, Syracuse, New York, USA, Single molecule-biophysics with a protein nanopore, 60 min., Invited.

T22. Department of Physics, Physics Colloquia Spring 2004, Syracuse University, School of Arts and Sciences, January 15th, 2004, Syracuse, New York, USA, Polymer Dynamics within A Nanopore: Fundamental Science and Nanotech Prospects, 60 min., Invited.

2003

T21. Department of Chemistry, University of Louisville, College of Arts and Sciences, December 19th, 2003, Louisville, Kentucky, USA, Single polymer dynamics within a protein nanopore, 60 min., Invited.

2002


T17. Division of Pharmaceutics, The University of Iowa, College of Pharmacy, February 14th, 2002, Iowa City, Iowa, USA, Interrogating transmembrane protein pores with flexible polymers, 60 min., Invited.


T15. Center for Biomolecular Science & Engineering, The University of California at Santa Cruz, February 1st, 2002, Santa Cruz, California, USA, Interrogating transmembrane protein pores with flexible polymers, 60 min., Invited.

2001

T14. Department of Animal Physiology and Biophysics, University of Bucharest, Faculty of Biology, November 30th, 2001, Bucharest, Romania, Single-molecule biophysics with flexible polymers tethered within a nanopore, 60 min., Invited.

T13. Department of Electricity and Biophysics, University of Bucharest, Faculty of Physics, November 27th, 2001, Bucharest-Magurele, Romania, Single-molecule biophysics with flexible polymers tethered within a nanopore, 60 min., Invited.


2000


1992 - 1999


T5. Department of Electricity and Biophysics, University of Bucharest, School of Physics, April 10th, 1997, Bucharest-Magurele, Romania, 60 min., Thesis Disertation.


