

Curriculum Vitae

Sudha Srinivas

Associate Dean and Professor of Physics
College of Arts and Sciences
Northeastern Illinois University
Chicago, IL 60625

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Education

Ph.D. (Physics), 1995

State University of New York, Albany
Thesis: Theoretical Investigations of the Electronic Structure and Hyperfine Properties of Ionic Solids Including High T_c Systems. Thesis advisor: Professor Tara Prasad Das

M.S. (Physics), 1987

University of Poona, Pune, India (Tata Institute of Fundamental Research-Poona University Program)
Specialization in Condensed Matter Theory, Computational Physics.

B.Sc. (Physics), 1985

Miranda House (University of Delhi), Delhi, India
Majored in Physics; Math and Chemistry minors

Professional Experience

2023 – present

Acting Associate Provost (September 2023 – present)
Academic Affairs
Northeastern Illinois University, Chicago, IL

2022 – 2023

Associate Dean (March 2022 – September 2023)
College of Arts and Sciences
Northeastern Illinois University, Chicago, IL

2017 – 2022

Acting Associate Dean (July 2017 – March 2022)
College of Arts and Sciences
Northeastern Illinois University, Chicago, IL

2017

Associate Dean (January 2017 – July 2017)
College of Graduate Studies and Research
Northeastern Illinois University, Chicago, IL

2015

Interim chair (January 2015 – June 2015)
Departments of Earth Science and Physics
Northeastern Illinois University, Chicago, IL

2014 – present

Professor of Physics
Department of Physics
Northeastern Illinois University, Chicago, IL

2012 – 2014

Director of the Center for Student Engagement (SCSE)
Northeastern Illinois University, Chicago, IL

2008 – 2014

Associate Professor of Physics
Department of Physics, Northeastern Illinois University, Chicago, IL

2005 – 2008

Assistant Professor of Physics
Department of Physics, Northeastern Illinois University, Chicago, IL

2002 – 2005

Associate Professor of Physics (*tenured in 2003*)
Department of Physics, Central Michigan University, Mt. Pleasant, MI

1998 – 2002

Assistant Professor of Physics
Department of Physics, Central Michigan University, Mt. Pleasant, MI

1995 – 1998

Postdoctoral Researcher

	Chemistry Division, Argonne National Laboratory, Argonne, IL
1989 – 1995	Teaching Assistant Department of Physics, State University of New York, Albany, NY
1988 – 1989	Research Associate Department of Physics, Indian Institute of Technology, Kanpur, India

Honors and Awards

Faculty Excellence Award from Northeastern Illinois University, Chicago (2014)

Japan Society for the Promotion of Science Fellowship Award (Spring 2002)

Research Professorship Award from Central Michigan University (January 2002 – May 2002)

Award from SUNY, Albany in Recognition of Outstanding Scholarly Achievement (1992)

National fellowship from Tata Institute of Fundamental Research (TIFR), Bombay, India for the duration of studies for a M.S. degree in Physics (1985 – 1987).

Professional Activities

- External evaluator for the NSF S-STEM grant at Gannon University, Erie, PA (2018-present)
- Co-principal Investigator and Organizing committee for National Science Foundation sponsored Conference on “Catalyzing Progress in Undergraduate STEM Education: Insights from Midwestern HSIs”, El Centro, Northeastern Illinois University, Chicago, May 2018
- Reviewer for the National Science Foundation Graduate Research Fellowship Program (NSF-GRFP), Virtual Panel Review (2018-present)
- Local organizing committee for the Peer Led Team Learning International Society (PLTLIS) Conference "Integrating Research and Practice: PLTL in Action", Northeastern Illinois University, Chicago, June 2017
- Member of national alliance for “Advancing the Careers of Women in STEM at Predominantly Undergraduate Institutions through Professional Networks”, a National Science Foundation funded ADVANCE Program (2012 – 2018).
- Reviewer for research proposals submitted to *Fonds zur Förderung der wissenschaftlichen Forschung (FWF)*/Austrian Science Fund (2015-present).
- Panel reviewer for the National Science Foundation Graduate Research Fellowship Program (2017-present); and the US Department of Energy, Graduate Research Fellowship Program (2010-2012).
- Reviewer for the Department of Undergraduate Education, National Science Foundation (2007-present).
- Reviewer for National Science Foundation for proposals submitted to the Theoretical and Computational Chemistry program and the Materials Theory program. (2000 – present).
- Expert Reviewer for the Louisiana Board of Regents Sponsored Research Programs (2009 – 2011)
- Reviewer for journals: Physical Review B, Journal of Physics: Condensed Matter, Physical Review Letters and *physica status solidi*. (1999 – present)
- Chair of the Committee on Membership, American Physical Society (2009); Member of the Committee on Membership, American Physical Society (2007-2009).
- Session Chair, Focus session “Optical Response of Clusters and Molecules”, March meeting of the American Physical Society, Los Angeles, CA (March 2005).
- Member of the external physics program review committee for Michigan Department of Education (2004 – 2005). Member of the physics content advisory committee for Michigan Department of Education teacher testing and certification program (2003 – 2005).

- Reviewer for the high school physics text, “Physics: Principles and Problems” by Zitzewitz, Glencoe (2004).
- Reviewer for college physics text, “College Physics” by Giambattista, Richardson and Richardson, Mc-Graw Hill (2003).
- Visiting Fellow Award from the JSPS (Japan Society for the Promotion of Science), Department of Electrical Engineering and Computer Science, Yamanashi University, Kofu, Japan. March – April 2002.
- Member of the local organizing committee of the 2nd International Symposium on Theory of Atomic and Molecular Clusters, September 15 – 20, 1996, Fontana, WI.
- Visiting Researcher at the Institute of Physical and Chemical Research (RIKEN), Wako, Japan. September – October 1993.
- Off-site consultant for scientific computing for the Institute of Physical and Chemical Research (RIKEN), Wako, Japan, 1993–1995.

Research Interests

Computational materials theory:

- First-principles modeling of geometric, electronic and magnetic properties of nanomaterials, atomic clusters, and cluster-molecule systems.
- Theoretical modeling and interpretation of nuclear quadrupole resonance spectroscopy, nuclear magnetic resonance spectroscopy and Mossbauer spectroscopy data for ionic solids, chalcogenides and molecules.

Membership in Professional Societies

Member of American Physical Society (APS); Member Sigma Pi Sigma ($\Sigma\Pi\Sigma$) Physics Honor Society; Member of the Council of Colleges of Arts and Sciences (CCAS); Member Japan Society for Promotion of Science (JSPS) US Fellows Alumni Association.

Teaching Experience

- Introductory physics courses: College Physics sequence, Physics with Calculus/University Physics sequence.
- Undergraduate physics core/elective courses: Introduction to Modern Physics, Mechanics, Introductory Quantum Mechanics, Statistical and Thermal Physics, Solid State Physics, Electromagnetic Theory.
- Graduate courses: Quantum Mechanics, Advanced Quantum Mechanics, Contemporary Physics, Solid State Physics.

Students and Postdoctoral Researchers Supervised

NEIU: Jonathan Jurczak (2017-18), David Capota (2015), Jonathan Jurczak (2015), Steve Burkland (2009–2011), Jayati Gohel (2010), Max Dzis (2010), Matthew Pembroke (2010), Sean Jennings (2010), Indira Bambur (2009), Greg Freimark (2009), Narin Ratanavade (2007, 2008), Omid Ahmadi (2006), Martin Senica (2006).

CMU: Vladimir Bubulac (M.S. Thesis, 2005), Kevin Daum (CMU, 2002–2003), James Randall (CMU, 2001), Mark Longhi (CMU, 2000)

Other: Dr. Petia Bobadova-Parvanova (Postdoctoral researcher, 2001-2003, CMU)

Curriculum Development

Curriculum development for the NSF funded STEM+C (CodEd) Grant (2016 – 2018)

Curriculum development for the NSF funded Peer-Led Experiential Research in STEM (PEERS) Grant (2014 – 2017)

Curriculum development for NSF funded Peer-Led Experiential Research in STEM (PPERS) Grant (2014-16)

Curriculum development and modifications of the NEIU Physics major in response to self-study and program review (2009-10)

Curriculum development for revamped honors undergraduate program at NEIU (2006-09)

Course development of area science course in the revamped honors undergraduate program at NEIU (Spring 2007)

Curriculum development for interdisciplinary Ph.D. program in Science of Advanced Materials (SAM) at Central Michigan University (2003-04)

Grants and Awards

1. October 2021 – September 2026: Department of Education Title III HSI STEM & Articulation Grant, Advancing Research and Career Opportunities in STEM (Principal Investigator) \$5,000,000
2. October 2017 – December 2018: National Science Foundation, HSI Conference Grant. (co-Principal Investigator). \$100,000
3. October 2016 – September 2021: National Science Foundation, Computing in STEM (C-STEM) Grant. (co-Principal Investigator). \$700,000
4. January 2015 – July 2017: Science Education for New Civic Engagement and Responsibilities (SENCER) Grant. (Principal Investigator). \$10,000
5. October 2014 – December 2016: National Science Foundation, Improving Undergraduate STEM Education (IUSE) Grant. (Senior personnel and project coordinator until December 2016. Project continued until September 2018 with another faculty as coordinator). \$426,000
6. August 2008 – July 2014: National Science Foundation, Scholarships in Science, Technology, Engineering and Mathematics (S-STEM) program. (Principal Investigator with faculty from Physics, Math and Earth Science). \$598,000
7. July 2010 – June 2011: Pilot National Institutes of Health (NIH) grant, from the Office of Research Development at NEIU. (Principal Investigator with P. Acioli, faculty from Physics) \$19,900
8. May 2010 – August 2010: Summer Research Grant from the Student Center for Science Engagement (SCSE) at Northeastern Illinois University. (Co-Investigator) \$18,750
9. May 2009 – August 2009: Summer Research Grant from the Student Center for Science Engagement (SCSE) at Northeastern Illinois University. (Co-Investigator) \$14,000
10. July 2008 – June 2009: Committee on Organized Research (COR) grant from Northeastern Illinois University. (Co-Investigator). \$2995
11. July 2007 – June 2008: Committee on Organized Research (COR) grant from Northeastern Illinois University. (Co-Investigator) \$2992
12. July 2006 – June 2007: Committee on Organized Research (COR) grant from Northeastern Illinois University. (Principal Investigator) \$2750
13. July 2006 – June 2007: Research Community grant from Northeastern Illinois University. (Co-Principal Investigator), \$5000
14. August 2005 – July 2007: State of Michigan Research Excellence Fund (REF) grant award (Co-Principal Investigator, was awarded but declined to participate in project due to move out of Michigan). \$150,000
15. January 2002 – May 2003: Presidential Research Initiative Award from Central Michigan University. \$25,000

16. August 2001 – July 2002: Research Professorship Award from Central Michigan University. One semester leave with pay from all instructional duties in order to focus on research.
17. August 2000 – July 2002: State of Michigan Research Excellence Fund (REF) grant award (Co-Principal Investigator). \$90,000
18. September 1999 – August 2002: National Science Foundation (NSF), Division of Materials Research, Major Research Instrumentation (MRI) grant (Co-Principal Investigator). \$200,000
19. July 1999 – August 2001: Petroleum Research Fund (PRF) National Type G grant award administered by the American Chemical Society (ACS). (Principal Investigator) \$25,000
20. November 1998 – October 1999: Central Michigan University Faculty Research and Creative Endeavors (FRCE) grant. (Principal Investigator) \$1500

Publications

1. Assessing Computational Thinking across a Pre-service STEM Curriculum, R. F. Adler, J. Hibdon, H. Kim, S. Mayle, B. Pines, and S. Srinivas, *Education and Information Technologies*, 28, 8051 (2023)
2. A Multidisciplinary Approach to Incorporating Computational Thinking in STEM Courses for Preservice Teachers, J. Slate, R. Adler, J. Hibdon, S. Mayle, H. Kim, and S. Srinivas, Book Chapter, *Integrating Digital Technology in Education*, Ed. R. M. Reardon and J. Leonard, Information Age Publishing (Charlotte, NC, 2019)
3. Retention and Student Success in STEM through a Mentoring Scholarship Program at an Urban HSI, S. Srinivas, P. H. Acioli, K. Voglesonger, N. Nicholson, J. Hibdon, N. Wrinkle, and D. Rutschman, *Proceedings of the Eighth Annual Mentoring Institute Conference*, editor N. Dominguez, pg. 1154-1157 (University of New Mexico, 2015).
4. Silver and Gold mediated nucleobase bonding, P. H. Acioli and S. Srinivas, *Journal of Molecular Modeling* 20, 2391 (2014).
5. Experiential Learning of Classical Mechanics Through Molecular Dynamics, P. H. Acioli and S. Srinivas, *Proceedings of the World Conference on Physics Education*, Istanbul, Turkey, editor M. Taşar, p 385-396 (Pegem Akademi, 2013).
6. An Exploration of the Potential Energy Surface of Ag₇CO, P. H. Acioli, S. Burkland, and S. Srinivas, *European Physical Journal D* 66, 215 (2012).
7. Density functional Theory study of Ag-Cluster/CO Interactions, P. H. Acioli, N. Ratanavade, M. R. Cline, and S. Srinivas, *Lecture Notes in Computer Science*, Springer Verlag (Heidelberg), Vol. 5545, 203 (2009).
8. Atomistic Description of Electric Dipole Polarizability in Si_nH_m, S. Srinivas, M. Yang, K. Jackson, and J. Jellinek, *Comp. Meth. Sci. and Eng.* 1108, 71 (2009).
9. A Density-Functional Study of the Structure and Self-Organization in Spin Clusters, S. Srinivas and E. Torikai, *Journal of Magnetism and Magnetic Materials*, Vol. 310, 2390 (2007).
10. Structure, Bonding and Magnetism in Manganese Clusters, P. Bobadova-Parvanova, K. A. Jackson, S. Srinivas and M. Horoi, *Journal of Chemical Physics*, Vol. 122, 014310 (2005)
11. First-principles investigations of the Structural and Electronic Properties of Small Beryllium Clusters, S. Srinivas and J. Jellinek, *Journal of Chemical Physics*, Vol. 121, 7243 (2004)
12. Emergence of antiferromagnetic ordering in Mn clusters, P. Bobadova-Parvanova, K. A. Jackson, S. Srinivas and M. Horoi, *Phys. Rev. A* 67, 61202 (2003)
13. Density-functional investigations of the spin ordering in Fe₁₃clusters, P. Bobadova-Parvanova, K. A. Jackson, S. Srinivas, and M. Horoi, *Physical Review B* Vol. 66, 195402 (2002)

14. Modeling the ^{119}Sn Mossbauer Spectra of Chalcogenide Glasses using Density Functional Theory Calculations, K. Jackson, S. Srinivas, J. Kortus and M. Pederson, *Physical Review B*, Vol. 65, 214201 (2002)
15. Scanning the Potential Energy Surface of Iron Clusters: Novel Search Strategy, P. Bobadova-Parvanova, K. Jackson, S. Srinivas, M. Horoi, C. Köhler and G. Seifert, *Journal of Chemical Physics*, Vol. 116, 3576 (2002)
16. Theoretical Investigations of the Interaction of Silver Trimer with Ethylene Molecule, U. A. Salian, S. Srinivas and J. Jellinek, *Chemical Physics Letters*, Vol. 345, 312 (2001)
17. The interaction of Ammonia with small iron clusters: Infrared spectra and density functional calculations of $\text{Fe}_n(\text{NH}_3)_m$ complexes, K. A. Jackson, M. B. Knickelbein, G. Koretsky and S. Srinivas, *Chemical Physics*, Vol. 262, 41 (2000)
18. Ab Initio Monte Carlo Investigations of Li Clusters, Sudha Srinivas and J. Jellinek, *Physica Status Solidi*, Vol. 217, 311 (2000)
19. Theoretical Investigations of Silver Clusters and Silver Ligand Systems, Sudha Srinivas, Umesh Salian and J. Jellinek, NATO Advanced Study Institute (ASI) Series on Metal-Ligand Interactions in Chemistry, Physics, and Biology, published by Kluwer Academic Publishers, Dordrecht, Netherlands (1999)
20. Ab Initio Monte Carlo: Application to Li_8 , Julius Jellinek, Sudha Srinivas and Piercarlo Fantucci, *Chemical Physics Letters*, Vol. 288, 705 (1998)
21. Theory of Hyperfine Interactions Associated with the Negative Muon in Lanthanum Copper Oxide High T_c System, Sudha Srinivas, S.B.Sulaiman, N. Sahoo, T.P. Das, E. Torikai, K. Nishiyama and K. Nagamine, *Hyperfine Interactions*, Vol. 105, 167 (1997)
22. Probing Interaction of Paramagnetic Electron with Conduction Electron in High T_c Superconductor LaSrCuO by (μ^- O) Spin Relaxation, E. Torikai, K. Nagamine, K. Nishiyama, E. Hirose, Y. Ikedo, T. Hashimoto, P. Birrer, I. Tanaka, H. Kojima, S. Srinivas, T.P. Das, S. Maekawa, K. Yamada, and Y. Endoh, *Hyperfine Interactions*, Vol. 105, 175 (1997)
23. Ab Initio Investigations on Sb_4 Analogous Zintl Clusters, F. Hagelberg, Sudha Srinivas, N. Sahoo, T.P. Das and K.G. Weil, *Physical Review A*, Vol. 53, 353 (1996)
24. Interaction of Paramagnetic Electron with High T_c Supercurrent in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ studied by Negative Muon Probe, E. Torikai, K. Nagamine, K. Nishiyama, E. Hirose, P. Birrer, I. Tanaka, H. Kojima, S. Srinivas, T.P. Das and S. Maekawa, *Hyperfine Interactions*, Vol. 97-98, 387 (1996)
25. Theory of Nuclear Quadrupole Interactions in Solid Fluoromethanes with Implanted $^{19}\text{F}^*$ Nuclei: Coupling of HF^* and Host Molecule, G. Gowri, T. Briere, S. Srinivas, T.P. Das, M. Frank and W. Kreische, *Zeitschrift Fur Naturforschung A*, Vol. 51, 565 (1996)
26. First-Principles Investigation of Nitrogen Nuclear Quadrupole Interactions in the RDX ($\text{C}_3\text{H}_6\text{N}_6\text{O}_6$) System, Ranjit Pati, Sudha Srinivas, T. Briere, N. Sahoo, T.P. Das and S. N. Ray, *Journal of Physical Chemistry*, Vol. 99, 9051 (1995)
27. First Principles Investigation of $^{19}\text{F}^*$ Nuclear Quadrupole Interaction in IV Group Tetrafluorides, H.S. Cho, T. Briere, S. Srinivas, C. Russel, G. Gowri, R. Pati, T.P. Das, M. Frank, W. Kreische and K. B. Nielsen, *Hyperfine Interactions*, Vol. 96, 213 (1995)
28. Theory of the Location and Associated Hyperfine Properties of the Positive Muon in La_2CuO_4 , S.B. Sulaiman, Sudha Srinivas, N. Sahoo, F. Hagelberg, T.P. Das, E. Torikai and K. Nagamine, *Physical Review B*, Vol. 49, 9879 (1994)
29. Theory of the Location and Associated Hyperfine Properties of the Positive Muon in La_2CuO_4 , S.B. Sulaiman, N. Sahoo, Sudha Srinivas, F. Hagelberg, T.P. Das, E. Torikai and K. Nagamine, *Hyperfine Interactions*, Vol. 84, 87 (1994)

30. Location and Associated Hyperfine Properties of μ^+ in La_2CuO_4 , S.B. Sulaiman, N. Sahoo, Sudha Srinivas, F. Hagelberg, T.P. Das, E. Torikai and K. Nagamine, *Hyperfine Interactions*, Vol. 79, 901 (1993)
31. Local Hyperfine Field Vector of Positive Muon in Mono-Domain Single Crystal of Antiferromagnetic La_2CuO_4 , E. Torikai, H. Ishihara, K. Nagamine, H. Kitazawa, I. Tanaka, H. Kojima, S.B. Sulaiman, S. Srinivas and T.P. Das, *Hyperfine Interactions*, Vol. 79, 915 (1993)
32. Behavior of Positive Muons in High T_c Superconductors $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$, E. Torikai, K. Nagamine, H. Kitazawa, I. Tanaka, H. Kojima, S.B. Sulaiman, S. Srinivas and T.P. Das, *Hyperfine Interactions*, Vol. 79, 921 (1993)
33. Momentum Density and Fermi Surface of $\text{YBa}_2\text{Cu}_3\text{O}_7$, R. Prasad and Sudha Srinivas *Physica C*, Vol. 162-164, 1335 (1989). *Proceedings of the International Conference on High T_c Superconductivity*, Stanford, CA (July 1989)

Invited Seminars

1. Lise Meitner: A physicist who never lost her humanity, Plenary Talk at the Women in Science Conference, Northeastern Illinois University, Chicago, IL, November 2019.
2. Symmetry and Conservation Laws: Noether's Theorem, Plenary at Women in Science Conference, Chicago Cancer Health Equity Conference (ChicagoCHEC), Northeastern Illinois University, Chicago, IL, October 2018
3. Science as a Tapestry: How Advances in One Scientific Field Lead to Discoveries in Another, Talk at Women in Science Conference, Chicago Cancer Health Equity Conference (ChicagoCHEC), Northeastern Illinois University, Chicago, IL, September 2017
4. Electric Polarizability in Finite Systems
Talk, University at Albany, State University of New York, Albany, NY, October 2012
5. Promoting Student Engagement through Interdisciplinary Endeavors
Physics Department Colloquium, De Paul University, Chicago, IL, January 2009
6. Engaging Students Through a Multidisciplinary Curriculum
Pedagogical Issues Seminar, University of Chicago, Chicago, IL, March 2008
7. Computational Modeling of Magnetic Clusters
Mathematical Sciences Seminar, Northeastern Illinois University, Chicago, IL, December 2005
8. First-principles investigations of the Structural and Electronic Properties of Metal Clusters
Seminar, Physics Department, Oakland University, Rochester, MI, April 2003
9. First-principles investigations of the Structural and Electronic Properties of Metal Clusters
Seminar, Physics Department, Oakland University, Rochester, MI, April 2003
10. First-principles investigations of the Structural and Thermal Properties of Metal Clusters
Seminar, Physics Department, Jackson State University, Jackson, MS, May 2002
11. Theoretical Studies of Alkali and Noble Metal Clusters Seminar, Department of Electronics, Yamanashi University, Kofu, Yamanashi, Japan, April 2002
12. Theoretical Studies of Transition Metal Clusters and Cluster Molecule Systems.
Seminar, Materials Design by Computer Simulation Laboratory, Institute for Materials Research, Tohoku University, Sendai, Japan, April 2002
13. DFT Studies of Metal Clusters and Cluster Molecule Systems
Seminar, Cluster Research Laboratory, Toyota Technological Institute, East Tokyo Laboratory, Genesis Research Institute, Inc., Ichikawa, Chiba, Japan, April 2002

Presentations at Meetings/Conferences

1. The Peer Enhanced Experiential Research in STEM (PEERS) project at Northeastern Illinois University, S. Srinivas, Poster, Transforming STEM Education 2015, American Association of Colleges and Universities, Seattle, WA, November 11-14, 2015.
2. Using Small Group, Peer Mentoring to Support Faculty Development and Career Advancement, Joanne Smieja, Luanne Tilstra, Sudha Srinivas, Vicki-Lyn Holmes, and Stephanie Conant, Panelist, Transforming STEM Education 2015, American Association of Colleges and Universities, Seattle, WA, November 11-14, 2015.
3. A Density-Functional Study of the Structure and Self-Organization in Spin Clusters, S. Srinivas and E. Torikai, Contributed poster, International Conference on Magnetism, Kyoto, Japan, August 20–25, 2006.
4. A Density-Functional Study of the Structure and Self-Organization in Spin Clusters, S. Srinivas and E. Torikai, Contributed poster, International Conference on Magnetism, Kyoto, Japan, August 20–25, 2006.
5. Mn clusters: a nanoscale magnetic transition, Sudha Srinivas, K. A. Jackson, P. Bobadova-Parvanova, and M. Horoi, Contributed talk, March meeting of the American Physical Society, Los Angeles, March 21–25, 2005.
6. A First-Principles Study of Lithium Hydride Clusters, Vladimir Bubulac, Sudha Srinivas, and Julius Jellinek, Poster, March meeting of the American Physical Society, Los Angeles, March 21–25, 2005.
7. Theoretical Investigations of the Spin Ordering in Manganese Clusters, P. Bobadova-Parvanova, K. A. Jackson, S. Srinivas, M. Horoi, Contributed talk, March meeting of the American Physical Society, Austin, TX, March 3–7, 2003.
8. Theoretical Investigations of the Interaction of Silver Clusters with Ethylene, Sudha Srinivas, U.A. Salian and J. Jellinek, Contributed talk, March meeting of the American Physical Society, Indianapolis, IN, March 18–22, 2002.
9. Magnetic transitions in Fe₁₃ clusters: interplay between geometric parameters and spin ordering, P. Bobadova-Parvanova, K. A. Jackson, S. Srinivas, M. Horoi, Contributed talk, March meeting of the American Physical Society, Indianapolis, IN, March 18–22, 2002.
10. Ab Initio Monte Carlo: Application to Small Li_n and Be_n Clusters, Sudha Srinivas and Julius Jellinek, Oral presentation, American Physical Society Centennial Meeting, March 20–26, 1999, Atlanta, Georgia
11. Theoretical and Experimental Investigations of Interaction of Negative Muon with LaSrCuO System, S. Srinivas, S. B. Sulaiman, N. Sahoo, T. P. Das, E. Torikai, E. Hirose, Y. Ikedo, T. Hashimoto, I. Tanaka, H. Kojima, and K. Nagamine, Poster presentation, American Physical Society Centennial Meeting, March 20–26, 1999, Atlanta, Georgia
12. Ab Initio-based Monte Carlo: Application to Small Lithium Clusters, Sudha Srinivas and Julius Jellinek, Oral contribution, International Workshop on Massively Parallel Applications in Computational Material Science, August 26–29, 1998, Paderborn, Germany.
13. Silver and Silver Halide Clusters: A Theoretical Study, Sudha Srinivas and Julius Jellinek, Poster presentation, Gordon Conference on Clusters, Nanocrystals, and Nanomaterials, July 27–August 1, 1997, Plymouth, NH
14. Ab Initio-Based Monte Carlo Studies of the Structural and Thermal Properties of Li_n, Sudha Srinivas and Julius Jellinek, Poster presentation, Gordon Conference on Clusters, Nanocrystals, and Nanomaterials, July 27–August 1, 1997, Plymouth, NH
15. Ab Initio Monte Carlo: Application to Li_n, Sudha Srinivas, J. Jellinek and P. Fantucci, Oral presentation, Midwest Theoretical Chemistry Conference, May 22–24, 1997, Urbana, IL
16. A Theoretical Study of Geometries and Electronic Structure of Small Silver and

Silver Halide Clusters, Sudha Srinivas and Julius Jellinek, Poster, Midwest Theoretical Chemistry Conference, May 22 – 24, 1997, Urbana, IL

17. An Ab Initio Monte Carlo Study of Structural and Thermal Properties of Li, Sudha Srinivas, Julius Jellinek, Piercarlo Fantucci, Oral presentation, 213rd American Chemical Society Meeting: Symposium on Recent Developments in Density Functional Theory, April 13 – 17, 1997, San Francisco, CA
18. A Theoretical Study of the Structures and Energies of Small Silver Clusters, Sudha Srinivas and Julius Jellinek, Poster presentation, 213rd American Chemical Society Meeting: Symposium on Recent Developments in Density Functional Theory, April 13 – 17, 1997, San Francisco, CA

Local Research Presentations at NEIU

1. Dielectric response in finite systems, Sudha Srinivas, Oral Presentation, Faculty Research and Creative Activities Symposium, NEIU, Chicago, IL, November 2012.
2. Physics of finite systems, Sudha Srinivas, Guest lecture, Honors Seminar Class, NEIU, Chicago, IL, February 2011.
3. Cluster Research, Sudha Srinivas, Guest lecture, Honors Seminar Class, NEIU, Chicago, IL, February 2010.
4. Modeling microscopic materials, Sudha Srinivas, Guest lecture, Honors Seminar Class, NEIU, Chicago, IL, October 2009.

Service on Committees

Service at Northeastern Illinois University as Administrator (Fall 2017 – present)

University level: Member, Higher Learning Commission (HLC) Update Committee (2021-2022)
Co-chair, Instructional Laboratory, Studio & Experiential Learning (2020-2021)
Member, Undergraduate Retention and Intervention Team (2017-2019)
Member, Provost Search & Screen Committee (2018-2019)
Member, Presidential Search & Screen Committee (2017-2018)

Service at Northeastern Illinois University as Faculty (Fall 2005 – 2016)

Departmental level: Undergraduate Advisor (Physics, 2005-11)
Department Personnel Committee (Physics, 2005-present)
Executive Board Representative, SCSE (2009-10)
Faculty Search Committee (Physics, 2005-06, 2008-09 (chair), 2015-16 (chair))

College level: Director, Student Center for Science Engagement (SCSE) (2012-2014)
Coordinator (SCSE) Search Committee (2011-2012)
Advisor (SCSE) Search Committee (2009-2010, 2012-2013)
Department Personnel Committee (Earth Science, 2008 – 2010, 2015 – 2016, chair)
Faculty Search Committee (Chemistry, 2008 – 2009)
Faculty Search Committee (Earth Science, 2007 – 2008, 2009 – 2010)
Faculty Search Committee (Biology, 2006 – 2007)
Academic Affairs Committee (2005 – 2006)

University level: Associate Dean Search, College of Arts and Sciences (2014)
Audrey Reynolds Distinguished Teaching Award Committee (two terms: 2009 – 2010, 2010–2011)
Bernard Brommel Distinguished Research Professor Award Committee (2008)
Honors Faculty (2009 – present)
Honors Standards Board (2006 – 2009)
Writing Task Force (2007)

Center for Teaching and Learning Liaison Faculty (2005 – 2006)
Faculty Search Committee, College of Education (2008)

Local level: Participating Faculty in Science Central (2005 – 2006, 2006 – 2007)
Judge, Chicago Academy of Science, Science Fair (2006, 2007)
Career Day Presenter, Naperville School District 204 (2007)

National level: Member, Alliance for Advancing the Careers of Women in STEM, National
Science Foundation ADVANCE Program (2012-2016), Alliance Leader (2014-15).
Panel Reviewer for U.S. Department of Energy, Office of Science Graduate
Research Fellowship Program (2010, 2012)
Chair, Committee on Membership, American Physical Society (2009)
Member, Committee on Membership, American Physical Society (2007 – 2009)
Expert Reviewer for the Louisiana Board of Regents Sponsored Research
Programs (2009 – 2011)
External Evaluator of NSF S-STEM grant at Gannon University, Erie, PA (2016-
20)

Expert Reviewer for Austrian Science Fund (2015 – present)
Expert Reviewer for National Science Foundation (2005 – present)
Reviewer for Journals: Physical Review, Journal of Physics, Journal of Chemical
Physics A, B (2005 – present)

Service at Central Michigan University (Fall 1998 – Summer 2005)

Departmental level: Graduate Committee
Department Curriculum Committee
Physics Faculty Search Committees (3)
Department Personnel Committee

College level: College Curriculum Committee
College Personnel Committee

University level: Committee on Seminars and Conferences
Speaker Series Committee, co-chair

State level: Consultant and Program Reviewer for Michigan State Department of Education
Teacher Education and Certification Programs.

National level: Session Chair, Cluster Theory Session, March 2005 Meeting of the American
Physical Society (APS).
Reviewer for National Science Foundation, Physical Review, Journal of Physics