Biographical Sketch:
Sacha Elmer Kopp

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Professional Preparation:

• The University of Chicago,	Physics	Ph.D., August 1994
• The University of Chicago,	Physics	S.M., June 1992
• The University of Chicago,	Physics	A.B., *with Honors*, June 1990

Professional Appointments:

• 2014 – present	Dean, College of Arts and Sciences State University of New York at Stony Brook
• 2014 – present	Professor, State University of New York at Stony Brook Department of Physics
• 2010 – 2014	Associate Dean for Undergraduate Education, College of Natural Sciences University of Texas at Austin
• 2012 – 2014	Professor, University of Texas Department of Physics
• 2008 – 2010	Associate Chair for Undergraduate Affairs, University of Texas Department of Physics
• 2006 – 2012	Associate Professor, University of Texas Department of Physics
• 2000 – 2006	Assistant Professor, University of Texas Department of Physics
• 1998 – 1999	Visiting Assistant Professor, Syracuse University Department of Physics
• 1995 – 1998	Postdoctoral Fellow, Syracuse University Department of Physics

Dean, College of Arts and Sciences, Stony Brook University (2014-present)

Responsible for largest college of the university, 10,000 undergraduates, 2,000 graduate students, 470 tenure-line and 130 instructional faculty, 27 departments, 200 staff, $90M budget, $50M sponsored research.

- Strategic Planning
  - Led faculty through two-year Strategic Plan process, aligned to University Strategic Plan
  - Created process to assess program productivity and alignment with College Strategic Plan
  - Created Department of Women's, Gender, and Sexuality Studies
  - Created Department of Global Languages and Cultures
  - Created Center for the Study of Social Justice, Inequalities, and Policy
- Faculty Development
  - Created promotional track for contract instructors: lecturer, senior lecturer, professor of practice
  - Increased number of full-time faculty; adjunct-taught courses decreased from 25% to 3%
  - Created faculty workload-policy and post-tenure review process; faculty contact-hour policy
  - Created merit-based pay raise system for departments within unionized framework
  - Created College Teaching Excellence Award, student-nominated and student-elected
  - Expanded mission of Humanities Institute to scholarship, education, and public communication, partnering with Naomi Wolf and Alan Alda Center for the Communication of Science
- Undergraduate Education
  - Created BA in Int'l Relations & Global Studies and BA in Biology, requiring non-STEM minor
  - Created student advisory council to assess student needs and concerns
  - Implemented new general education requirements and College-level course planning process
  - Closed degree plans in Pharmacology, Cultural Studies, Comparative Literature, and Theater
  - Initiated freshman recruiting, result: 30% increase in humanities, arts, and social science majors as well as 30% increase in Hispanic and Latino/a and African-American students
  - Created Pre-College Institute, a free week-long residential summer program for high school students from high needs districts on Long Island.
- Graduate Education
  - Created Master of Arts degrees in Computational Linguistics and in Asian Studies
  - Closed graduate plans in Cultural Studies, Comparative Literature, and Theater
  - Created PhD degree in Women's, Gender, and Sexuality Studies
  - Increased stipends for and number of graduate teaching assistant positions
- Advancement
  - Created 6-member advancement/communications team
  - Achieved $60M campaign goal; increased annual giving from $3M/year to $9M/year
  - Completed campaigns for research centers, including Center for Hellenic Studies ($2M gift); Center for Nuclear Science ($5M gift); completed $5M endowment for Center for India Studies
  - Increased endowed professorships/chairs grew from 1 to 8, adding endowed chairs in Hellenic Studies, Philosophy, History, Art, Physics, Chemistry, Tamil Language
- Fiscal management
  - Inherited $6M/year operating deficit in $90M/year budget, and additionally encountered $5M unfunded union contractually-obligated salary increases, necessitating $11M budget correction.
  - Achieved balanced budget for the College in 3 years
  - Instituted budgeting process aligned with objectives of the College Strategic Plan
  - Increased intercession-based tuition revenues from $4M to $6M through online courses
  - Added grant-writing support staff in the College, increased sponsored research by 20%

Associate Dean, College of Natural Sciences, University of Texas (2010-2014)

Responsible for undergraduate education for 11,000 students in the College of Natural Sciences, the largest of the 14 colleges at UT Austin. Supervise staff of 130 for Dean's Office Student Division.

- Courses, Curricula, and Degree Programs
  - Led faculty through creation of Bachelor of Science and Arts (BSA) degree allowing for complementary study of science along with business, communications, liberal arts, or fine arts.
  - Created interdisciplinary study in health information technology, neuroscience, public health.
- College Readiness and Onboarding – reduce rates of non-passing grades by factor of 2
  - Oversaw pre-matriculation placement testing in math and chemistry for freshmen
  - Created online remediation curricula and peer mentoring for students in placement process
  - Initiated CS/Math/Chem/Bio summer pre-matriculation camps
- Student Success Programs
  - Oversaw and tripled capacity for programs that raise graduation rates 64% for at-risk students
  - Expanded peer mentoring program to employ over 800 student mentors annually
- Admissions
  - Increased diversity and success rates of freshman class (probations down by factor of two)
  - Created faculty review process for admissions to the college
- Academic Advising and Mentoring
  - Oversaw college's 30 professional academic advisors
  - Created CNS101, placing all freshmen in small cohorts with faculty and peer mentors, following pilot programs which showed 30% increase in 4yr graduation rates.
- Career Services and Pre-Health Advising
  - Oversaw office of 12 career and pre-health advisors
  - Initiated ties with Austin Chamber of Commerce, BioTech Austin, and UT Alumni
  - Served as director of Joint Admissions to Medical Program for under-privileged students
- Undergraduate Research and International Study
  - Oversaw Freshmen Research Initiative, serving 850 freshmen annually in faculty-led research
  - Oversee year-end undergraduate research forum for all students in the college
- Honors Programs
  - Created Health Science Scholars and Polymathic Scholars honors programs
  - Awards: 6 successful Goldwaters, 12 NSF fellows, and a Truman and a Marshall scholar
  - Oversee honors recognition events, banquets, awards
- Student Dean for the College
  - Faculty advisor for the Natural Sciences Council of Student Government
  - Oversaw 100 student organizations and student life in the college
  - Created weekly blog & email ("Kopp's weekly") read by 11,000 students in the college
  - Created student advisory council for under-represented minorities in STEM
- Teaching Pedagogy and Innovation Support
  - Led faculty professional development in hybrid, technology-enhanced "flipped classrooms"
  - Oversaw college development of QUEST web-based platform for curriculum and assessment
  - Developed innovative 'studio style' classrooms for interactive inquiry-based pedagogies
- Commencement Ceremonies for the College of Natural Sciences
- Instructional Budget Management
  - Developed course priority structure for $22M/yr instructional budget
  - Reduced cost of instruction by $2M annually

Associate Chair, Department of Physics, University of Texas (2008-2010)

Responsible for undergraduate education for Department of Physics.

- Initiated a doubling of the number of physics majors from 220 in 2008 to 470 in 2012
- Conducted focus group research of issues related to student success, retention, and satisfaction
- Created marketing campaign to recruit students to the major
- Initiated undergraduate teaching assistant program
- Initiated Physics Department Open House for all students at UT Austin to tour research labs
- Organized science concerts, popular lectures, student/faculty lunches, and movie nights
- Chair of Physics Department Undergraduate Studies Committee
- Department representative on College honors, faculty advisors, and curriculum committees
- Created UTeach Primary program – extension of UTeach program for education majors certifying in K-6 grades. Created 4 interdisciplinary semester-long courses in hands-on learning of science (spans topics of chemistry, physics, biology, geology, astronomy) – collaborated with George Nelson (Western Washington) and Fred Goldberg (San Diego).

External Research Activities:

- Neutrino scattering cross sections at the MINERvA experiment, Fermilab (2007 – 2012)
- Neutrino oscillation studies at the MINOS experiment, Fermilab (2000 – 2012)
- Large Hadron Collider Accelerator Research Project (LARP) (2005 – 2012)
- Accelerator R&D at Fermilab
  - Synchronization of the 8 GeV Booster and 120 GeV Main Injector accelerators
  - Secondary Emission Monitors for the Main Injector and 400 MeV transfer lines.
  - Development of an AC Dipole for the Fermilab Tevatron
- CLEO-III Ring-Imaging Čerenkov detector, Cornell Electron Synchrotron Ring (1995 –1999)
- The Collider Detector at Fermilab: Proton-Antiproton Collisions at 1800 GeV (1987 – 1995)

Seminars, Colloquia and Conferences:

1. "The Ivory Tower Meets the Public Marketplace of Ideas," public lecture, U. Kansas, 3/14/17.
2. "Preparing for a Career as a Researcher and Public Intellectual," graduate student workshop, University of Kansas, 3/15/17.
3. "Accelerator Neutrino Beams," Conference on the History of the Neutrino, Paris, France, 9/2018.
4. "How to Recruit Physics Majors," Physics Department Colloquium, Louisiana State Univ, 9/2012, Tufts Univ, 4/2011, Univ. Nebraska, 3/2011
5. "How to Recruit Physics Majors," Amer. Assoc. Phys. Teachers Meeting, Jacksonville, 1/2011
6. "Neutrino Oscillations," Physics Department Colloquium, University of Chicago (12/2010); Syracuse University (11/2010); University of Texas (9/2010)
7. "Neutrino Beams," lecture at International School on Neutrino Physics, KEK, Japan, 8/2010
8. "In Situ Measurements of Neutrino Beam Flux," Int'l Conf. Neutrinos, Athens, Greece, 5/2010
9. "Hands-On Science: An Inquiry-Based Integrated Science Content Course for Pre-service Elementary Teachers," PTEC Conference, Austin, TX, 5/2010
10. "Review of Neutrino Oscillations," Int'l Conf Leptons & Photons, Hamburg, Germany, 8/2009

11. “In Situ Measurements of Neutrino Beam Flux,” NuInt09 Conference, Barcelona, Spain, 5/2009
12. “Review of Neutrino Oscillations,” Int’l Conf Flavor and CP Violation, Lake Placid, 5/2009
13. “Neutrino Beams,” lecture at Int’l School on Neutrino Physics, Benasque, Spain, 6/2008
14. “Neutrino Results from Fermilab,” Physics Department Colloquium, Columbia Univ. 4/2008
15. “Neutrino Results from Fermilab,” Physics Department Colloquium, Univ. Tennessee, 2/2008
16. “Neutrino Beams,” lecture at Int’l School on Neutrino Physics, KEK, Japan, 8/2007
17. “Determining the Neutrino Beam Flux,” NuFact2007 Conference, Osaka, Japan, 8/2007
18. “Beam Flux Techniques for the Minerva Experiment,” NuInt07 Conference, Fermilab, 5/2007
19. “Future Neutrino Beams in the U.S.,” NNN06 Workshop, Seattle, Washington, 11/2006
20. "Long Baseline Projects in the US," invited plenary talk at the 2006 Neutrino Oscillation Workshop, Otranto, Lecce, Italy, 9/ 2006.
21. “Overview of the NuMI Beam,” 5th International Workshop on Neutrino Beams and Instrumentation, CERN, Geneva, Switzerland, 9/2006
22. “Conventional Neutrino Beams," lectures at the NuFact Int’l Summer School, UCLA, 8/2006
23. “Particle Production Uncertainties for the NuMI Beam,” 6th International Conference on Neutrino Factories based on Muon Storage Rings (NuFact06), University of California, Irvine, 8/2006.
24. “Results on Neutrino Oscillations from Fermilab,” Physics Dept. Colloquium, IIT, 5/2006.
25. “First Results from the Main Injector Neutrino Oscillation Search,” High Energy Physics Seminar at University of Chicago, 5/2006, UCLA 4/2006, University of Colorado, Boulder, 4/2006.
26. “Status of the NuMI Beam at Fermilab,” U.S. Particle Accelerator Conference, 5/2005.
27. “The NuMI Beam at Fermilab,” 33rd ICFA Advanced Beam Dynamics Workshop: High Intensity High Brightness Hadron Beams (ICFA HB2004), Bensheim, Germany, 10/2004.
28. Presentations at the 4th International Workshop on Neutrino Beams and Instrumentation, KEK, Japan, 11/2003: (1) “Secondary Emission Monitors for NuMI,” (2) “The MINOS Near Detector”
29. “The NuMI Neutrino Beam and Potential Upgrades to an Off-Axis Experiment,” presentation at the NuFact02 Conference, Imperial College, London, 6/2002.
30. Presentations at the 3rd International Workshop on Neutrino Beams and Instrumentation, CERN, Geneva, Switzerland, 3/2002: (1) "Ion Chambers for Monitoring the NuMI Neutrino Beam,” (2) "The NuMI Hadron Hose.”
31. "The NuMI/MINOS Experiment,” HEP Seminar, University of Maryland, 12/2001.
32. "The NuMI/MINOS Experiment,” Tamura International School on Neutrino Physics, Tokyo University of Science, Tokyo, Japan, 11/2001.
33. "The NuMI Hadron Hose,” 2nd International Workshop on Neutrino Beams and Instrumentation (NBI2000), Fermi National Accelerator Laboratory, 9/2000.
34. “CP Violation at CLEO,” Texas Section Meeting of the American Physical Society, 10/1999.
35. "Studies of Decays of the B^0 Mesons for Measuring $\sin 2\beta$," American Physical Society Division of Particles and Fields, Los Angeles, CA, 1/1999.
36. "The CLEO III Upgrade," invited plenary talk at the International Conference on Advanced Technology and Particle Physics, Como, Italy, 10/1998.
37. "The CLEO-III Upgrade," Exp’t Particle Physics Seminar, CERN, Geneva, Switzerland, 10/1998.
38. "Status of the CLEO-III Detector and CESR Upgrade at Cornell," Beauty '96, Rome, Italy.
39. "Prototype Studies of the CLEO-III RICH," IEEE Nucl. Sci. Symp., San Francisco, 10/1995.
40. "Electroweak Physics with *W* Bosons at CDF," HEP Seminar, Lawrence Berkeley Lab, 10/1994.
41. "Electroweak Physics with the *W* Boson at CDF," Exp’t Particle Phys Seminar, CERN, 10/1994.

Refereed Publications

Citation summary results	Citeable papers	Published only
Total number of citable papers analyzed:	345	291
Total number of citations:	29,870	27,720
Average citations per paper:	86.6	95.3
Breakdown of papers by citations:		
Renowned papers (500+)	8	7
Famous papers (250-499)	9	8
Very well-known papers (100-249)	65	61
Well-known papers (50-99)	63	60
Known papers (10-49)	141	133
Less known papers (1-9)	46	20
Unknown papers (0)	13	2
Additional Citation Metrics		
h index	90	88

Selected publications as PI:

1. "Accelerator-based Neutrino Beams," S. Kopp, Phys. Rept. **439**: 101 (2007).
2. ""Properties of the *W* Boson from the Fermilab Tevatron," S. Kopp, invited review article, International Journal of Modern Physics **A 10**, 4413 (1995).
3. "Secondary Beam Monitors System for the NuMI Facility at FNAL," S. Kopp *et al.*, Nucl. Instr. Meth. **A568**:503-519,2006
4. "Parametrization of the driven betatron oscillation," R.Miyamoto, S. Kopp, A. Jansson, M. Syphers, Phys. Rev. ST Accel. Beams **11**:084002 (2008)
5. "Beam-Based Alignment of the NuMI Target Station Components at FNAL," R.Zwaska *et al*, Nucl. Instr. Meth. **A568**:548-560,2006
6. "The Hadron Hose: Continuous Toroidal Focusing for Conventional Neutrino Beams," J. Hylen *et al*., Nucl. Instr. and Meth. **A498** pp 29-51 (2003).
7. "Construction, Pattern Recognition, and Performance of the CLEO III LiF-TEA RICH Detector," Nucl. Instr. and Meth. **A502**, 91 (2003)
8. "Undergraduate Peer Assistants in a Large Lecture Course," S. Kopp, J. Phys. Ed **35**(6), 423 (2000).
9. "CLEO-III Ring Imaging Cherenkov Detector," M.Artuso *et al*, Nucl. Instr. Meth. **A461**, 545(2001)
10. "Beam Tests of the CLEO-III RICH," M. Artuso *et al*., Nucl. Instr. Meth. **A441**, 374 (2000).
11. "The CLEO-III Detector," S. Kopp, Nucl. Instr. Meth. **A384**, 61 (1996)
12. "Do Inquiring Minds have Positive Attitudes? The Science Education of Preservice Elementary Teachers," C.Riegle-Crumb, K.Morton, C.Moore, A.Chimonidou, C.Labrake, S.Kopp, Sci.Educ. 2015 Sep; 99(5): 819-836

Selected publications with P. Adamson *et al* (MINOS Collaboration):

13. "Measurement of the neutrino mass splitting and flavor mixing by MINOS," sub. to Phys.Rev.Lett.
14. "Search for sterile neutrino mixing," Phys.Rev.**D81**:052004 (2010)
15. "Search for muon-neutrino to electron-neutrino transitions," Phys.Rev.Lett.**103**:261802,2009
16. "First Measurement of ν_μ and ν_e Events in an Off-Axis Horn-Focused Neutrino Beam," Phys. Rev. Lett. **102**:211801,2009
17. "Search for active neutrino disappearance using neutral-current interactions," Phys. Rev. Lett. **101**:221804,2008

18. “Measurement of Neutrino Oscillations with the MINOS Detectors in the NuMI Beam,” Phys.Rev.Lett.**101**:131802,2008
19. “A Study of Muon Neutrino Disappearance Using the Fermilab Main Injector Neutrino Beam,” Phys.Rev.**D77**:072002,2008
20. “Observation of muon neutrino disappearance with the MINOS detectors and the NuMI neutrino beam,” Phys.Rev.Lett.**97**:191801,2006

Selected publications with M.S. Alam *et al* (CLEO Collaboration):

21. “Branching Fraction and Photon Energy Spectrum for $b \to s\gamma$” Phys.Rev.Lett. **87** 251807 (2001).
22. "Study of $B \to \psi(2S)K$ and $B \to \psi(2S)K^*(892)$ Decays," Phys. Rev. **D63**:031103 (2001)
23. "Study of Exlcusive Two-Body B^0 Meson Decays to Charmonium," Phys. Rev. **D62**:051101(2000)
24. "Search for CP Violation in $B^+ \to \psi K^+$ and $B^+ \to \psi(2S)K^+$ Decays," Phys. Rev. Lett. **84**:5940 (2000).
25. "Measurement of the B^0 and B^+ Masses," Phys. Rev. **D61:**11101 (2000).
26. "First Observation of the Decay $B \to \psi\phi K$," Phys. Rev. Lett. **84**:1393 (2000).

Selected publications with F. Abe *et al* (CDF Collaboration):

27. "The $e\tau$ and $\mu\tau$ Decays of Top Quark Pairs Produced in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1800 GeV," Phys. Rev. Lett. **79**, 3585 (1997)
28. "Search for New Gauge Bosons Decaying into Dileptons in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1800 GeV," Phys. Rev. Lett. **79**, 2192 (1997)
29. "Measurements of $\sigma \cdot B(W \to e\upsilon)$ and $\sigma \cdot B(Z^0 \to e^+e^-)$ in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1800 GeV," Phys. Rev. Lett. **76**, 3070 (1996).
30. "Search for New Charged Bosons Heavier than the W in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1800 GeV, Phys. Rev. Lett. **74**, 2900 (1995).
31. "Observation of $t\bar{t}$ Production in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1.800 GeV," Phys. Rev. Lett. **74**, 2626 (1995).
32. "A Direct Measurement of the W Boson Width $\Gamma(W)$," Phys. Rev. Lett. **74**, 341 (1995).
33. "Search for the Top Quark Decaying into a Charged Higgs Boson in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1800 GeV," Phys. Rev. Lett. **73**, 2667 (1994).
34. "Evidence for $t\bar{t}$ Production in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1800 GeV," Phys. Rev. **D 50**, 2966 (1994); Phys. Rev. Lett. **73**, 225 (1994).
35. "Measurement of the Ratio $\sigma \cdot B(W \to e\upsilon) / \sigma \cdot B(Z^0 \to e^+e^-)$ in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1800 GeV," Phys. Rev. Lett. **73**, 220 (1994); Phys. Rev. **D52**, 2624 (1995)
36. "Measurement of the Ratio $\sigma(W \to e\upsilon) / \sigma(Z^0 \to e^+e^-)$ in $p\bar{p}$ Collisions at $\sqrt{s}$ = 1800 GeV," Phys. Rev. Lett. **64**, 152 (1990).

Selected Public Media and Non-Refereed Publications:

1. “National Interest” Science: A Dangerous Contradiction,” op-ed, Huffington Post, 4/5/16
2. “Should Academics Talk to Katie Couric?” *Chronicle of Higher Education,* Sacha Kopp and Naomi Wolf, 2/17/16
3. “Enlarging Physics Programs at Colleges and Universities,” op-ed, *APS News*, 8/9/10
4. “Measurement and Manipulation of Beta Functions in the Fermilab Booster,” M.McAteer *et al*, *Proc. 2011 Part. Accel. Conf.*

5. "Nonlinear dynamics studies in the Fermilab Tevatron using an ac dipole," R.Miyamoto *et al*, *Proc. IEEE 2009 Part. Accel. Conf.*
6. "Geometrical interpretation of nonlinearities from a cylindrical pick-up," R.Miyamoto, A.Jansson, M.Syphers, S.Kopp, *Proc. IEEE 2007 Part. Accel. Conf.*
7. "Tevatron AC dipole system," R.Miyamoto *et al*, *Proc. IEEE 2007 Part. Accel. Conf.*
8. "Tevatron Optics Using an AC dipole," R.Miyamoto *et al*, *Proc. IEEE 2007 Part. Accel. Conf.*
9. "Cycle-to-Cycle Extraction Synchronization of the Fermilab Booster for Multiple Batch Injection to the Main Injector," R. Zwaska *et al*, *Proc. IEEE 2005 U.S. Part. Accel. Conf.*
10. "Synchronization of the Fermilab Booster and Main Injector for Multiple Batch Injection," *Proc. European Part. Accel. Conf.*, Luzern, Switzerland (2004).

Textbooks and Instructional Resources:

1. *Quantum Mechanics of Particles and Nuclei*, 4th year undergraduate text
2. *Modern Physics*, e-text, http://courses.cns.utexas.edu/kopp-PHY355
3. *Introductory Physics*, e-text, http://courses.cns.utexas.edu/PHY-bootcamp
4. *Hands-On-Science*, inquiry-based lab book for pre-service elementary teachers in 4 volumes: (I) physical science, (II) earth science, (III) biology, (IV) astronomy

Service Work to the Community:

- 2010-12: Member, Executive Committee, American Physical Society Texas Section
- 2008-9: Chair, Nominations Committee, APS Division of Particles and Fields
- 2007: Member Long Range Steering Committee of Fermi National Accelerator Laboratory
- 2007-9: Member, NSF Review Panel for DUSEL R&D Proposals, also NSF GRFP
- 2005-2007: Elected Chair, Fermilab Users' Organization
- 2007: Chair, National User Facility Org. (FNAL, BNL, ANL, LBL, ORNL, TJNL, LANL, SLAC)
- 2005: organizer, 5th Int'l Workshop on Neutrino Beams and Instrumentation (NBI2005)
- 2004-5: Chair, Committee on Univ. Collaboration with the Fermilab Accelerator Division.
- 1995 - 2010: referee for *Phys. Rev. Lett., Phys. Rev. **D**, IEEE Trans. Nucl. Sci.*
- 1992-1995: Summer Minority Student Research program, University of Chicago.

Students & Postdoctoral Fellows Supervised:

- A. Chimonidou, postdoctoral fellow, 2008 – 2010, now lecturer at University of Texas
- N. Erickson, postdoctoral fellow, 20011 – 2012, now research scientist at University of Texas
- M. Jerkins, postdoctoral fellow, 2010 – 2012, now at AtomoTech
- L. Loiacono, postdoctoral fellow, 2010 – 2011, now at University of Rochester.
- J. Parker Cravens, postdoctoral fellow, 2008 – 2010, now at Raytheon Corp.
- Mikhail Kostin, postdoctoral fellow 2000 – 2001, now at Michigan State University.
- Meghan McAteer, PhD 2014, dissertation project: "The Mu2e Experiment at Fermilab"
- Nick Evans, PhD 2014, dissertation topic: "Tomographic Imaging of Charged Particle Beams"
- Randi Ludwig, PhD 2012, dissertation project: "The Hands-On-Science Curriculum"
- Jasmine Ma, PhD 2011, dissertation project: "Oscillations to Sterile Neutrinos"
- Laura Loiacono, PhD 2010: "Measurement of Neutrino Cross Sections on Iron"
- Ryoichi Miyamoto, PhD 2008, dissertation title: "An AC Dipole for the FermilabTevatron"
- Žarko Pavlović, PhD 2008, dissertation: "Neutrino Oscillations with the MINOS Detector"
- Dharmaraj Indurthy, M.S.2006, dissertation title: "Beam Monitors for the NuMI Facility"
- Robert Zwaska, PhD 2005 "Accelerator Systems and Instrumentation for the NuMI Beam"

Research Funding

- "Research in High Energy Physics," 2001 – 2005, U.S. Department of Energy, co-PI's (all from UT) D. Dicus, J. Klein, K. Lang, J. Ritchie, R. Schwitters, total award for S.Kopp $470,753.
- "Research and Development on the Hadron Hose," 2001-2002, Fermi National Accelerator Laboratory, $73,000
- "Design and Construction of NuMI Beam Monitor System," 2001-2005, Fermi National Accelerator Laboratory, $383,000
- "Design and Construction of Profile Monitor SEM's for the NuMI Beam," 2002-2005, Fermi National Accelerator Laboratory, $311,000
- "Construction of Secondary Emission Monitors for the Muon Cooling Test Facility," Fermi National Accelerator Laboratory, 2005, $6,000.
- "Research in Accelerator Physics," Fermi National Accelerator Laboratory, 2005-2008, $164,835
- "Research in High Energy Physics," 2006 – 2008, U.S. Department of Energy, co-PI's (all from UT) D. Dicus, J. Klein, K. Lang, J. Ritchie, R. Schwitters, total award for S.Kopp $313,528.
- "Construction of a Replacement Hadron Monitor for the NuMI Facility," Fermi National Accelerator Laboratory, 2007-2009, $150,000.
- "Upgrade of the Gas Delivery System for the Muon Monitors for the NuMI Facility," Fermi National Accelerator Laboratory, 2007-2009, $70,000.
- "Scientists for Tomorrow Program," 2008 – 2012, National Science Foundation, Scholarships for Underrepresented Students in the Natural Sciences, $600,000.
- "Research in High Energy Physics," 2009 – 2011, U.S. Department of Energy, co-PI's (all from UT) D. Dicus, K. Lang, J. Ritchie, R. Schwitters, total award for S.Kopp $826,000 (total award for other faculty not included here).
- "Design of Secondary Emission Monitors for the Nova Facility," Fermi National Accelerator Laboratory, 2009-2010, $70,000.
- "Transforming Undergraduate Education Grant," 2009 – 2011, University of Texas Regents, $250,000.
- "Research in Accelerator Physics," 2009-2013, Fermi National Accelerator Laboratory, $290,000.
- "Integrated, Inquiry-Based Natural Science Curriculum for Pre-Service Elementary Teachers," 2010 – 2012, U.S. National Science Foundation, $179,000.
- "Research on Inquiry-Based In-service Teacher Professional Development on Elementary School Children," 2011-2012, Texas Regional Collaboratives in Science and Math Education, $380,000.
- "Upgrade of the Muon Monitor System for the NuMI Facility," 2010 – 2011, Fermi National Accelerator Laboratory, $130,000.
- "Collaborative Proposal: CI-TEAM DIFFUSION: Pedagogical Open-Access Research-based Tools for Advancing Learning in Science and Engineering," 2011 – 2013, U.S. National Science Foundation, $149,914.