

## Biographical sketch: Sanjib R. Mishra

### Education:

M.Sc.(Hons.& Distinction ) in Physics	B.I.T.S. Pilani	Dec, 1979
M.Sc.(Hons.& Distinction ) in Mathematics	B.I.T.S. Pilani	Aug, 1980
M.A.	Columbia University	May, 1982
M.Phil.	Columbia University	May, 1983
Ph.D. in Physics	Columbia University	Mar, 1986

### Positions:

Guest Scientist	Fermilab	2012/13
Guest Scientist	Fermilab	2004/5
Professor	Univ. of South Carolina	2000-
Associate Professor	Harvard University	1993-1999
Assistant Professor	Harvard University	1991-1992
Senior Research Scientist	Columbia University	1989-1990
Post-Doc. Research Scientist	Columbia University	1986-1988
Graduate Research Assistant	Columbia University	1982-1985
Teaching Assistant	Columbia University	1980-1981
Lecturer	B.I.T.S. Pilani	1979-1980

### Awards:

DOE Outstanding Junior Investigator, 1993.  
Alfred P. Sloan Fellowship, 1994.  
Cottrell Award, 1995.  
Milton Prize, 1996, for research.  
Clark-Tozier Award, 1996, for undergraduate teaching and research.  
Hoops Prize, 1997, for teaching and supervising undergraduate research  
M.J.Mungo Distinguished Professor, 2008  
University Research Association (URA) Scholar, 2012  
American Physical Society (APS) Science & Technology Forum, 2015

### Professional Service:

Review panel for the TNRLC research grants.  
Neutrino subcommittee of the Fermilab Program Advisory Committee.  
Chair of BEACH-09 Conference, Columbia, SC, 2008.  
DOE-OJI Review Panel, 2007.  
Meson Beam Advisory Committee, 2009.  
Science Coordinator, Indo-US Collaboration on Neutrino Physics, 2009–  
DUNE Near Detector Task Force Co-Convener, Mar-July/2015  
DUNE Near Detector Coordinator, July/2015–  
DUNE Project Technical Coordination Committee, Sep/2015–

## Selected publications co-authored by S.R. Mishra

- S. R. Mishra and F. Sciulli, “Deep Inelastic Lepton - Nucleon Scattering,” *Ann. Rev. Nucl. Part. Sci.* **39**, 259 (1989).
- S. R. Mishra *et al.*, “Search for right-handed coupling in neutrino N scattering,” *Phys. Rev. Lett.* **68**, 3499 (1992).
- P. Astier *et al.* [NOMAD Collaboration], “Final NOMAD results on muon-neutrino  $\rightarrow$   $\tau$ -neutrino and electron-neutrino  $\rightarrow$   $\tau$ -neutrino oscillations including a new search for tau-neutrino appearance using hadronic tau decays,” *Nucl. Phys. B* **611**, 3 (2001) [hep-ex/0106102].
- P. Astier *et al.* [NOMAD Collaboration], “Search for  $\nu(\mu) \rightarrow \nu(e)$  oscillations in the NOMAD experiment,” *Phys. Lett. B* **570**, 19 (2003) [hep-ex/0306037].
- Q. Wu *et al.* [NOMAD Collaboration], “A Precise measurement of the muon neutrino-nucleon inclusive charged current cross-section off an isoscalar target in the energy range  $2.5 < E(\nu) < 40$ -GeV by NOMAD,” *Phys. Lett. B* **660**, 19 (2008) [arXiv:0711.1183 [hep-ex]].
- D. G. Michael *et al.* [MINOS Collaboration], “Observation of muon neutrino disappearance with the MINOS detectors and the NuMI neutrino beam,” *Phys. Rev. Lett.* **97**, 191801 (2006) [hep-ex/0607088].
- P. Adamson *et al.* [MINOS Collaboration], “Improved search for muon-neutrino to electron-neutrino oscillations in MINOS,” *Phys. Rev. Lett.* **107**, 181802 (2011) [arXiv:1108.0015 [hep-ex]].
- C. T. Kullenberg *et al.*, [NOMAD Collaboration], “A Measurement of Coherent Neutral Pion Production in Neutrino Neutral Current Interactions in NOMAD”, *Phys. Lett. B* **682**,177 (2009);
- S. R. Mishra, R. Petti and C. Rosenfeld, “A High Resolution Neutrino Experiment in a Magnetic Field for Project-X at Fermilab,” *PoS NUFACT* **08**, 069 (2008) [arXiv:0812.4527 [hep-ex]].
- C. Adams *et al.* [LBNE Collaboration], “Scientific Opportunities with the Long-Baseline Neutrino Experiment,” FERMILAB-CONF-13-300 [arXiv:1307.7335 [hep-ex]]

## Collaborators and Other Affiliations

Two pages is insufficient to contain the names of all of the collaborators and co-authors of the last 48 months. Therefore we resort to incorporating them by citing the name of the collaborations: Member of **LBNE**, **NOvA**, **MIPP**, **MINOS**, **NOMAD**, **SPY**, & **CCFR Collaborations**

**Postdoctoral associates:** 11 postdocs

**Graduate students supervised:** 16 students

**Under graduate students supervised:** Over 28