

**Name:** Arjun Trivedi  
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### Education

Institution	Field of Study	Degree	Graduation Year
University of South Carolina, USA	Physics	Doctor of Philosophy (PhD)	2016
Florida Institute of Technology, USA	Electrical Engineering	Bachelor of Science (BSc)	2004

### Training

National Training of Trainers' Programme in Entrepreneurship Development, Entrepreneurship Development Institute of India (EDII), Ahmedabad, November, 2018

### Collaborations

Society for Promotion of Rural Economy & Agricultural Development Northeast (SPREAD NE), Guwahati, Assam 2019-Present  
Society For North East Handmade Paper Development (SNEHPAD), Jorhat, Assam 2018-2019  
CLAS Collaboration, Thomas Jefferson National Accelerator Facility (TJNAF), USA 2012-Present  
ATLAS Collaboration, European Organization for Nuclear Research (CERN), Switzerland 2009-2011

### Professional Experience

2019-Present Founder, President, and Executive Director of Karunar Kheti Trust, Jorhat, Assam  
2019-Present Principal of Selenghat Valley School (Under Karunar Kheti Trust), Jorhat, Assam  
2018-2019 Trainer for Entrepreneurship Development Institute of India's Micro Skillpreneurs Development Project (MSDP) 2018-2019, SNEHPAD, Jorhat, Assam  
2016-2018 Research Associate, Experimental Nuclear Physics, Department of Physics, University of South Carolina, Columbia, SC, USA  
2010-2016 Research Assistant, Experimental Nuclear Physics, Department of Physics, University of South Carolina, Columbia, SC, USA  
2007-2010 Research Assistant, High Energy Physics, Department of Physics, University of South Carolina, Columbia, SC, USA  
2006-2007 Teaching Assistant, Department of Physics, University of South Carolina, Columbia, SC, USA  
2004-2005 Systems Test Engineer, General Electric (GE) Transportation, Melbourne, FL, USA  
2003-2004 Systems Test Engineer, Intern, General Electric (GE) Transportation, Melbourne, FL, USA

### Other Activities

2019-Present Author for Down To Earth magazine (<https://www.downtoearth.org.in/author/arjun-trivedi-129440>)  
2019-Present Executive Committee member of SPREAD NE's Green Commando volunteer organization  
2018-2019 Observer-worker at Boisahabi Tea Estate  
2018-2019 Volunteer advisor to Sundarpur Tea Estate on organic tea cultivation practices  
2019 Participated in Farm Camping Program on Ecological Farming Practices at SPREAD NE Farm Learning Centre, Sonapur, Assam  
2018 Attended 1st Meghalaya Farmers' Parliament, Shillong, Meghalaya  
2017 Attended Tea Board organized Seminar on Impact of Climate Change on Tea and Ameliorative Measures  
2016-2018 Participated in activities of Columbia Resilience, a non-profit based in Columbia, SC, USA, working to build to build resilience in all sectors of the community to withstand severe energy, climate, and economic shocks while creating a better quality of life in the process  
2016 Participated in Permaculture Workshop, Columbia, SC, USA  
2016 Performed in collaborative storytelling as a part of Waterlines Screening & Performance, Indie Grits Film Festival 2016, Columbia, SC, USA

## Honors and Awards

JSA Junior Scientist Travel Support Award, Jefferson Science Associates, LLC	2014
Faculty Honors Award, Florida Institute of Technology	2004
Outstanding Senior in Electrical Engineering, Florida Institute of Technology	2003-2004
Outstanding Junior in Electrical Engineering, Florida Institute of Technology	2002-2003
Outstanding Sophomore in Computer Engineering, Florida Institute of Technology	2001-2002
Faculty Scholarship, Florida Institute of Technology	2000

## Invited Talks

- 1) Department of Physics, Indian Institute of Technology, Guwahati, India, March 2017: Measurement of New Observables from the  $\pi^+\pi^-$  Electroproduction off the Proton
- 2) Department of Theoretical Physics, Tata Institute of Fundamental Research, Mumbai, India, April 2015: Charting the Evolution of the Strong Interaction's Degrees of Freedom

## Selected Contributed Talks

- 1) NSTAR 2017, University of South Carolina, Columbia, South Carolina, USA, August 2017: Measurement of New Observables from the  $\pi^+\pi^-$  Electroproduction off the Proton
- 2) XXI DAE-BRNS High Energy Physics Symposium, Indian Institute of Technology, Guwahati, India, December 2014: Charting the Evolution of the Strong Interaction's Degrees of Freedom
- 3) 2013 Fall Meeting of the APS Division of Nuclear Physics, Newport News, Virginia, USA, October 2013: Beam spin asymmetry observables from electroproduction of  $p\pi^+\pi^-$  off protons

## Selected Publications (10 selected out of 170 refereed publications. Full list at <http://inspirehep.net/record/1071097?ln=en>)

- 1) Evidence for the  $N'(1720)3/2^+$  nucleon resonance from combined studies of CLAS  $\pi^+\pi^- p$  photo- and electroproduction data, V.I. Mokeev *et al.* (Apr 28, 2020), Phys.Lett.B 805 (2020) 135457
- 2) The CLAS12 Forward Time-of-Flight system, D.S. Carman *et al.* (Feb 18, 2020), Nucl.Instrum.Meth.A 960 (2020) 163629
- 3) Measurement of New Observables from the  $\pi^+\pi^- p$  Electroproduction Off the Proton, A. Trivedi (Nov 22, 2018), Few Body Syst. 60, (2019)
- 4) Measurements of  $ep \rightarrow e'\pi^+\pi^-p'$  Cross Sections with CLAS at  $1.40 \text{ GeV} < W < 2.0 \text{ GeV}$  and  $2.0 \text{ GeV}^2 < Q^2 < 5.0 \text{ GeV}^2$ , E. L. Isupov *et al.* [CLAS Collaboration] (May 4, 2017), Phys. Rev. C 96, 025209 (2017)
- 5) Charting the Evolution of the Strong Interactions Degrees of Freedom, A. Trivedi, R. Gothe and E. Phelps (Jan 5, 2016), Springer Proc. Phys. 174, 23 (2016)
- 6) First Measurement of the Polarization Observable E in the  $\bar{p}(\vec{\gamma}, \pi^+)n$  Reaction up to 2.25 GeV, S. Strauch *et al.* [CLAS Collaboration] (Mar 17, 2015), Phys. Lett. B 750, 53 (2015)
- 7) Measurements of  $ep \rightarrow e'\pi^+n$  at  $W = 1.6 - 2.0 \text{ GeV}$  and extraction of nucleon resonance electrocouplings at CLAS, K. Park *et al.* [CLAS Collaboration] (Nov 30, 2014), Phys. Rev. C 91, 045203 (2015)
- 8) Deep exclusive  $\pi^+$  electroproduction off the proton at CLAS, K. Park *et al.* [CLAS Collaboration] (Jun 11, 2012), Eur. Phys. J. A 49, 16 (2013)
- 9) Luminosity Determination in  $pp$  Collisions at  $\sqrt{s} = 7 \text{ TeV}$  Using the ATLAS Detector at the LHC, G. Aad *et al.* [ATLAS Collaboration] (Apr 27, 2011), Eur. Phys. J. C 71, 1630 (2011)
- 10) The ATLAS Simulation Infrastructure, G. Aad *et al.* [ATLAS Collaboration] (May 25, 2010), Eur. Phys. J. C 70, 823 (2010)