

Krishna P. Adhikari, *Ph.D.*

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Education

Ph.D. , Physics, Old Dominion University, Norfolk, VA, USA.	Dec 2013
Dissertation: Measurement of the spin structure function g_1^D of the deuteron and its moments at low Q^2 .	
Supervisor: Dr. Sebastian E. Kuhn (kuhn@jlab.org)	
M.S. , Physics, Old Dominion University, Norfolk, VA, USA.	2006
M.Sc. , Physics, Tribhuvan University, Kathmandu, Nepal.	2000
B.Sc. , Physics, Mathematics, Chemistry, Tribhuvan University, Nepal.	1997

Work Experience

Research Experience:

Postdoctoral Research Associate (Dipangkar Dutta, & Lamiaa El Fassi, Supervisors), Mississippi State University	Since Sep 2014
Temporary technical worker in JLab's HDice group	Feb-Aug 2014
Graduate Research Assistant (S. Kuhn, Supervisor), Old Dominion University	2007 - 2013
Won prestigious fellowship for DOE/INFN Summer Exchange Program, INFN, Genoa, Italy	2009
Participated in studying Insolation and Photovoltaic system, TU, Nepal.	2003
Assisted a senior student in operating Brewer Spectrometer, TU, Nepal.	2000

Teaching Experience:

Teaching Assistant, Physics, Old Dominion University	2004 - 2007
Part-time lecturer of undergraduate level Physics Amrit Science College, Thamel, Kathmandu, Nepal.	2002 - 2004
Asian College of Higher Studies, Kathmandu, Nepal.	2002 - 2004
Patan Multiple Campus, Lalitpur, Nepal.	2002 - 2004
BernHardt College, Kalimati, Kathmandu, Nepal.	2001 - 2004
Science and Mathematics teacher, Naya Kiran Secondary School, Chitwan, Nepal.	1997 - 1998

Computer/Programming Skills/Training

- Working knowledge of the following programming languages and tools

- **Operating systems:** Microsoft Windows, Linux/Unix
- **Office Tools:** Microsoft Office, OpenOffice.org
- **Programming Languages:** C/C++, Java, Fortran, Visual Basic (VB.NET, Visual Studio), Shell Scripts (Perl, bash, tcsh, Makefile, CMake)
- **Graphic Editors:** SketchUp, Inkscape, JaxoDraw
- **Text Formatting (Markup) languages:** LaTeX
- **Web Languages:** HTML, XHTML, JavaScript
- **Software packages:**
 - * **ROOT** - an object-oriented program and library developed by CERN, a framework designed for particle physics data analysis.
 - * **GEANT4** - a C++ based toolkit for the simulation of the passage of particles through matter
 - * **GSIM** - a GEANT3 based package for the Monte Carlo simulation of the CLAS detector in JLab.

Schools & Workshops

- GEANT4 Tutorial, Jefferson Lab, Newport News, VA, 2012
- National Nuclear Physics Summer School (NNPSS), Chapel Hill, NC, 2011
- CLAS12 Software Workshop, U. of Richmond, May 2010
- DOE/INFN Summer Exchange Program, INFN, Genoa, Italy, 2009
- Hampton University Graduate Summer School (HUGS), Jefferson Lab, Newport News, VA, 2009
- International Workshop on Positrons at Jefferson Lab, Newport News, VA, 2009
- Spin Structure at Long Distance (Workshop), Jefferson Lab, Newport News, VA, 2009

Trainings/Certifications

- Radiation and Lead Worker trainings, JLab
- Oxygen Deficiency Hazards, JLab, Since 2008
- Fire and Ladder Safety trainings, JLab, June 2014
- Pressure Systems Awareness training (SAF130A), JLab, June 2014
- Responsible Conduct of Research: Physical Science Research 2013
- Leadership Training (Office of Student Activities and Leadership, ODU), Nov 2007

Honors, Awards, & Fellowships

- Award for highest score (Ph. D. Qualifying Exam), Department of Physics, Old Dominion University 2005
- INFN Scholarship for the DOE/INFN Summer Exchange Program, INFN, Genova, Italy 2009

Leadership, Volunteering and Community Service

Volunteering / Community Service:

Showcased several ODU Physics Demos during multiple Norfolk Children Festivals, and Open Houses at ODU and Jefferson Lab.

Monarch Mentor to new International Students, Office of Inter-cultural Relations, Old Dominion University, 2006.

Leadership Activities:

Monarch Mentor Training (2006) and Leadership Training (2007)

(from the Office of Inter-cultural Relations, Old Dominion University).

Helped found Nepali Student Community (NeSCo) at ODU

(served as the founding President)

Affiliations

- American Physical Society, Current Member
- Nepal Physical Society, Life Member
- CLAS Collaboration, Term Member
- Past Member - Physics Graduate Student Association (PGSA)
- Founding President - Nepali Student Community (NeSCo)
- Past Member - Global Student Friendship (GSF)

Refereed Publications

Co-author on more than 50 CLAS publication papers

ADDITIONAL PUBLICATIONS

<http://inspirehep.net/author/profile/K.P.Adhikari.1>

<https://scholar.google.com/citations?user=p70vASgAAAAJ&hl=en>

References

Dr. Sebastian E. Kuhn, Professor, Old Dominion University, 4600 Elkhorn Ave, Room 306, Norfolk, VA 23529

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Dr. Gail E. Dodge, Professor, Old Dominion University, 4600 Elkhorn Ave, Room 306, Norfolk, VA 23529

Email: gdodge@odu.edu, gail@jlab.org; Phone: 703 292 8958

Dr. Alexandre Deur, Staff Scientist, Jefferson Lab, 12000 Jefferson Avenue, Newport News, VA 23606

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Dr. Marco Ripani, Senior Scientist, INFN, Sezione di Genova, Via Dodecaneso 33, 16146, Genova, Italy

Email: ripani@ge.infn.it, Marco.Ripani@ge.infn.it; Phone: +39-010-3536458

Dr. Dipangkar Dutta, Professor, Mississippi State University, P.O. Drawer 5167, Mississippi State, MS 39762

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