

## Curriculum Vitae

Zhujun Li  
Richland College, 12800 Abrams Road, Dallas TX 75243  
(972)761-6719 (o)  
[Zhujun@dcccd.edu](mailto:Zhujun@dcccd.edu)

---

### Present Professional Position

**August, 2003 – Present:** Full time faculty member at Richland College

- College Physics: PHYS 1401 and 1402
- University Physics: PHYS 2426
- Conceptual Physics: PHYS 1405 and 1407
- General Astronomy, on campus PHYS 1403 and 1404; on-line: PHYS 1404.

### Professional Experience

**1996 – August, 2003:** Senior Software Engineer

- March 2000 – Present Senior Software Engineer at Nortel Networks, Richardson, TX. Responsible for Optical Long Haul transmission systems (DWDM) network management system development.
- May, 1999 – March 2000 Senior Member of Technical Staff at AT&T network service group, Middletown, NJ. Responsible for SONET network management system development.
- Jan., 1998-May 1999 Member of Scientific Staff at Nortel wireless GSM group, Richardson, TX. Responsible for GSM switch network (fault) management software development
- March., 1996- Dec., 1997 Software Developer at CNET, a subdivision of Glenayre Electronics, Plano, TX. Responsible for developing network management software BOS (Basic Operations System).

**1992 – Dec., 1995:** Assistant Professor at CNU: Received very high evaluations from students.

- Taught introductory physics and related lab courses.
- Taught special topic physics: Fluid Dynamics, Modern Physics, Astronomy, and Thermodynamics.
- Taught and supervised student's senior projects on data analysis and GUI display
- Served on various faculty committees.
- Coordinated and conducted workshop for the Summer Institute for Teacher Enhancement for science teachers.
- Conducted various educational activities for elementary and middle school students.

**1987 - 1992:** Research Assistant in Data Analysis and Computational Physics

- Performed partial-wave analysis on Pion Photo-production data using  $\chi^2$  minimization algorithms.

**1985 - 1987:** Teaching Assistant at Virginia Tech

- Conducted lab courses for undergraduate students
- Graded home work for general physics courses.

## Education

**Ph.D., Computational Physics**, May, 1992

Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA

Dissertation: Pion Photo-production numerical data Analysis

**B.Sc., Physics/Optics**, June, 1985

Nankai University, Tianjin, China

## Awards/Activities

- NSF grant, \$396,000, 9/1995-9/1998, co-PI.
- NSF grant to foster middle school girls' interest in science.
- SURA/CEBAF Graduate Fellowship, 1991-1992.
- Academic Achievement fellowship in Nankai University, 1982-1985.

## Hobbies

- Volleyball, tennis and table tennis
- Travel and reading.
- Participated state wide Track and Field competition in College.

## Publications

1.  $Q^2$  Dependence of the Spin Structure Function in the Resonance Region, Z.P. Li and Z. Li, Phys. Rev. D 50, 3119(1994).
2. *Resonance Photodecay Amplitudes to 1.8 GeV*, Z.Li, R.A.~Arndt, L.D. Roper and R.L. Workman, Phys Rev. D Vol47, 2759(1993).
3. *Resonance Contributions to the  $Q^2$  Evolution of the Gerasimov-Drell-Hearn Sum Rule*, V. Burkert, Z. Li and S.E. Kuhn, contributed paper to PANIC,1993.
4. *The  $Q^2$  Evolution of the Gerasimov-Drell-Hearn Sum Rule: Experiments-Planned at CEBAF*, S.E. Kuhn, V.Burkert and Z.Li, Proceedings of PANIC,1993.
5. *What do we know about the  $Q^2$  Evolution of the Gerasimov-Drell-Hearn Sum Rule?*, V. Burkert and Z. Li, Phys. Rev. D 47, 46(1993).
6. *Electroproduction of the Roper Resonance as a Hybrid State*, Zhenping Li, Volker Burkert and Zhujun Li, Phys. Rev. D Vol46, 70(1992).
7. *Resonance Photon-Decay Amplitudes*, Z. Li, R.A. Arndt, L.D. Roper and R.L. Workman, contributed paper to Hadron'91
8. *On threshold pion photoproduction and low-energy theorems*, R.L. Workman, R.A.Arndt and Z.Li, Mod. Phys. Lett. A. Vol6, 1757(1991).
9. *The pion-nucleon coupling constant*, R.A. Arndt, Z. Li, L.D. Roper and R. Workman, Phys. Rev. D. Vol.44, 289(1991).
10. *Pion-nucleon partial-wave analysis to 2 GeV*, R.A. Arndt, Z. Li, L.D. Roper, R.L. Workman and J.M. Ford, Phys. Rev. D Vol43, 2131(1991).

11. *Pion photoproduction resonance couplings in second resonance region*, R.A. Arndt, R.L. Workman, Z. Li and L.D. Roper, Phys. Rev. C Vol42, 1864(1990).
12. *Partial-wave analysis of pion photoproduction*, R.A. Arndt, R.L. Workman, Z. Li and L.D. Roper, Phys. Rev. C Vol42, 1853(1990).
13. *Pion-nucleon scattering analyses to 2 GeV*, R.A. Arndt, Z. Li, L.D. Roper and R.L. Workman, contribution to Paris 90, 7th International Conference on Polarization Phenomena in Nuclear Physics, Paris, July 1990.
14. *What can pion photoproduction say about the  $\omega NN$  coupling constant?*, Z. Li, R.A. Arndt and R.L. Workman, contribution to PANIC XII International Conference on Particles and Nuclei, M.I.T., June 1990.
15. *Determination of the  $\pi NN$  coupling constant from elastic pion-nucleon scattering data*, R.A. Arndt, Z. Li, L.D. Roper and R.L. Workman, Phys. Rev. Lett. 65, 157(1990).