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1150 University Av.
Madison, Wisconsin
53706 ,USA

Education

- University of Wisconsin-Madison** 2007 -present
 - Department of Physics
 - PhD in Experimental Particle Physics (in progress)

- National Technical University of Athens** 2005 -2007
 - School of Applied Mathematics and Physics
 - MSc in Experimental Particle Physics
 - MSc Thesis: Implementation of The Legendre Transform in Segment Track Reconstruction in Drift Tube Chambers
 - Thesis Committee :T.Alexopoulos, M.Dris,G.Tsipolitis

- National Technical University of Athens** 2000 -2005
 - School of Applied Mathematics and Physics
 - Major in Applied Physics
 - Undergraduate Thesis: A Detector Control System for the MDT-BIS Detector of the ATLAS experiment
 - Thesis Committee:T.Alexopoulos, E.Gazis, G.Tsipolitis

Research Experience

- University of Wisconsin-Madison** July 2007 - present
 - Research Assistant, CMS High Energy Physics Group
 - Supervisors:S.Dasu,W.Smith
 - τ High Level Trigger, Trigger Validation and DQM
 - SLHC Calorimeter Trigger Algorithms
 - Analysis of $Z \rightarrow \tau\tau$ in CMS

- National Technical University of Athens** July 2005- July 2007
 - Research Assistant, ATLAS experiment
 - Supervisors:T.Alexopoulos,M.Dris,G.Tsipolitis
 - MDT-BIS Chambers: Installation and Commissioning
 - MDT Detector Control System
 - Muon Segment Reconstruction and Detector Performance Studies

- INFN Sezione Di Roma I** September 2005- July 2006
 - Research Assistant, ATLAS experiment
 - Supervisors:G.Ciapetti, L.Pontecorvo

- Design of a Prototype Detector Control System
for the Power Supplies of the ATLAS Monitored Drift Tube Chambers

Teaching Experience

- **University of Wisconsin-Madison** Sep 2007-May 2008
Teaching Assistant, Department of Physics
 - Physics 103:Fall 2007 Professors:W.Smith, G.Shiu
 - Physics 103:Spring 2008 Professors:M.Herndon, J.Sprott
- **National Technical University of Athens** Oct 2006-Present
Teaching Assistant, Department of Physics
 - Nuclear and Particle Physics, Spring 2007,Professor:G.Tsipolitis
Monte Carlo Methods in Physics Lab
 - Electronics, Fall 2006,Professors:M.Dris, T.Alexopoulos, G.Tsipolitis
Passive Filters, Operational Amplifiers, Transistors and Digital Circuits
 - Introductory Programming (volunteer),Fall 2001, Professor:E.Zachos
Introduction to Programming
- **National Technical University of Athens** 2003-2004
School of Electrical and Computer Engineering
 - EU Go - Online Program
Professor:E.Zachos
 - Educational Services to small companies about e-commerce

Presentations - Conferences

- **HEP 2006 Conference** April 2006
Recent Developements in High Energy Physics
and Cosmology - Ioannina, Greece
Presentation : ATLAS MDT Power Supply Control System
- **HEP 2007 Conference** April 2007
Recent Developements in High Energy Physics
and Cosmology - NTU Athens, Greece
Presentation :Muon Performance of the ATLAS
Detector in $t\bar{t}$ decays

Publications

- Implementation of the Legendre Transform for track segment reconstruction
in drift tube chambers
NIM A, Volume 592, Issue 3, 21 July 2008, Pages 456-462
T. Alexopoulos, M. Bachtis, E. Gazis, G. Tsipolitis
- Implementation of the Legendre Transform for the muon track segment reconstruction
in the ATLAS MDT Chambers
IEEE Nuclear Science Symposium Conference Record,2007 NSS '07, Volume 1, pages 725-731
T. Alexopulos, M.Bachtis, M.Dris, E.N. Gazis, G. Tsipolitis