

## David M. Sianez

### EDUCATION

Ph.D.	Virginia Tech Curriculum and Instruction: Technology Education Dissertation Topic: Enhancing Open-Ended Technological Problem-Solving Efficiency Among Middle School Students Advisor: Dr. James LaPorte	2003
M.S.	Central Connecticut State University Technology Education Masters Project: Human Powered Terrestrial Transportation Technology Advisors: Dr. John Larkin and Dr. John Wright	2000
B.A.	University of California, Irvine Environmental Analysis and Design	1994

### ACADEMIC EXPERIENCE

<b>Graduate Assistant</b> , Virginia Tech Instructed K-5 teachers and students in “Earth Systems Connection” NASA science curriculum in Southwestern Virginia elementary schools.	Spring 2003
<b>Graduate Assistant</b> , Virginia Tech Constructed and maintained NASA supported science curriculum web site “Earth Systems Connections.”	Fall 2002
<b>Technology Instructor</b> , Virginia Tech Instructed middle and secondary school teachers and administrators in the use and integration of digital video equipment, I-Movie software, digital cameras, and scanners into their classroom curriculum.	Summer 2002
<b>Graduate Assistant</b> , Virginia Tech Mentor for Science Education students. Supervised student teachers, assessed instructional methods and techniques, provided lesson plan feedback, and conducted laboratory instruction with computer-aided scientific laboratory equipment.	2001- 2002

<p><b>Technology Instructor</b>, Pittsylvania County School System          Instructed middle school and secondary school teachers in          the use and integration of computer technology into their          classroom curriculum.</p>	<p>Summer 2001</p>
<p><b>Graduate Assistant</b>, Virginia Tech          Instructed elementary and secondary student teachers in the          construction of electronic portfolios. Instruction included          portfolio design, construction, artifact selection, and use of          electronic media. Conducted skills seminars on the use of          digital cameras, digital video equipment, Claris Homepage,          Dreamweaver, I-Movie, creating PDF files, scanners,          PowerPoint, PhotoShop, and use of electronic presentation          equipment.</p>	<p>2000- 2001</p>
<p><b>Graduate Assistant</b>, Central Connecticut State University          Aided undergraduate students in the design and construction          of woodworking projects. Instructed students in the use of          hand and power tools, thermoforming, injection molding          system, CNC machinery, metal mills, lathes, and foundry          equipment. Produced graphic designs and signs using          Gerber vinyl cutting machinery. Supervised open labs in          metal processing, computers, and graphics for          undergraduate students.</p>	<p>1999- 2000</p>

**SCHOLARSHIP AWARDS**

<p>Virginia Tech          Minority Academic Opportunities Program</p>	<p>2002- 2003</p>
<p>Virginia Tech          Donald Maley Outstanding Graduate Student Citation</p>	<p>2003</p>