

MICHAEL ZELIN, PhD

CAREER SUMMARY

20 years practical experience in teaching and training. Strong teaching skills, development of advanced learning centered training systems. Core competencies and experience include:

- ✓ Teaching at undergraduate & graduate levels
- ✓ Advanced didactic on-line tools design
- ✓ Multi-Lingual
- ✓ Physics, Mathematics, & Engineering
- ✓ Hands-on on-line learning systems
- ✓ R&D industrial experience

EDUCATION

Ph.D. in Physics & Mathematics, Tomsk State University, Russia, 1988

M.S. in Mechanical Engineering, Ural State Aviation Technological University, Russia, 1981

TEACHING EXPERIENCE

- ARKANSAS STATE UNIVERSITY, Jonesboro, AR** **2016 - present**
Visiting Professor
- General and University Physics Labs & Projects
- STRAYER UNIVERSITY, Tampa, FL** **2016**
Adjunct Professor
- Business Statistics: lectures & special projects
- ITT TECHNICAL INSTITUTE, Tampa, FL** **2015-2016**
Adjunct Professor
- Applied Physics: lectures, labs, & exams
- Introduction to Statistics: lectures & exams
- College Algebra
- PASCO-HERNANDO STATE COLLEGE, Wesley Chapel, FL** **2014 -2015**
Adjunct Professor
- Pre-Calculus: lectures, student projects, exams
- Introduction to Statistics: lectures, student projects, exams
- NORTH WEST ARKANSAS COMMUNITY COLLEGE, Bentonville, AR** **2011- 2012**
Faculty, Math Department
- Introduction to Physics: lectures, Labs, student projects, exams
- College Algebra: lectures, student projects, exams, development of a novel online project based service learning system
- Statics: lectures, drills, student projects, exams
- Introduction to Engineering: lectures, student projects, exams
- PRIVATE TUTOR, Fayetteville, AR & Canal Fulton, OH** **2010- 2011**
- Physics & Mathematics: college, high & middle school, development of on-line educational gaming environment
- KENT STATE UNIVERSITY, College of Technology, Kent, OH** **2008- 2009**
Adjunct Professor
- undergraduate courses: lectures and Labs, student projects, Lab supervisor
- UFA STATE AVIATION TECHNOLOGICAL UNIVERSITY, Russia** **1981 to 1991**
Department of Materials Science and Engineering
Statistics for materials scientists, Electronic Materials, Materials Science
Associate Professor (1990 to 1991), **Assistant Professor** (1988 to 1989), **Teaching & Research Staff** (1981 to 1987)

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PROFESSIONAL EXPERIENCE

Choose Support, LLC, Hernando Beach, FL

2008-pres.

Founder & Chief Philanthropy Officer

Responsibilities:

Novel educational system development

- strategic partnerships: schools & universities, professional societies, outreach & educational committees: APS, ASME, and other, teacher organizations: AAPT, IRA, and other
- development of novel on-line didactic tools: Project Based Service Learning system enabling learning of Mathematics, Physics, Languages (English, Spanish, etc.), Literature, and other subjects
- conducting pilot programs: University of Arkansas, Fayetteville, Greenland, Springdale (an area with the highest Spanish speaking population in Arkansas) schools, schools in Russia, Ukraine, Zambia, India

THE GOODYEAR TIRE & RUBBER COMPANY, Akron, OH

1997 to 2008

Principle Engineer

- Responsible for FEM modeling & Mechanical Analysis
- Solution of complex technological issues

CONCURRENT TECHNOLOGIES CORPORATIONS, Johnstown, PA

1994 to 1997

Senior Engineer

- Responsible for FEM analysis of advanced metal forming technologies
- Theoretical analysis for optimized processing regimes

UNIVERSITY OF CALIFORNIA, Davis,

1991 to 1994

Department of Chemical Engineering, Division of Materials Science and Engineering

Postdoctoral Research Fellow

Experimental study and modeling of metal forming technologies

VISITING SCIENTIST

1988 to 1991

Aeronautical Institute of Nanjing, Nanjing, China

Charles University, Prague, Czechoslovakia

Institute of Metals, Technical University of Warsaw, Poland

Moscow State University, Moscow, Russia

Moscow Steel and Alloy Institute, Moscow, Russia

PUBLICATIONS