

Mark D. Voisinet

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Career Profile

Innovative and effective Professor and Engineer. Balances instruction between fundamentals and real-world projects. Is adaptive to students learning styles with excellent communication skills. Shows versatility and leadership in all aspects of career.

- Expertise in multiple CADD platforms
- Authoring experience
- Managerial experience
- Project Management
- Engineering experience
- Engineering consultant
- Training consultant

Teaching Experience

Niagara County Community College, Sanborn, NY
Professor & Program Coordinator

Adjunct: 2/91 - 5/99
Full-Time: 1/00 – Present

Instructional Experience in the following courses:

- Introduction to Microstation
- Introduction to AutoCAD
- Mechanical Drafting Techniques
- Process Piping Design and Drafting
- Structural Design and Drafting
- Technical Seminar
- Strength of Materials
- Machine Design and Mechanisms
- Basic Skills for Welding Technology
- Mechanical CADD Applications
- Advanced Computer Aided Design
- Civil/Architectural Commercial Drafting
- CAD for Landscape Design
- Welding Metallurgy
- Mechanical Design
- Engineering Drawing I
- Introduction to Welding and Blueprints
- Electrical Design and Drafting

Service Experience:

- Program Coordinator, Computer Aided Design Drafting, Mechanical Process Piping and Control
- Program Coordinator, Welding Technology
- Program Coordinator, Mechanical Engineering Technology
- Program Development - created Welding Technology A.A.S. program
- Program Development - created Electronics Technology A.A.S. program
- Program Development - created Machining Technology A.A.S. program
- Program Development - created Industrial Process Technician A.A.S. program
- Program Development – committee member for the Engineering Sciences A.S. program
- Principal Investigator for the NSF Grant - Modernization of a Technical Welding Program to Better Serve Non-Traditional Students (2020)
- Principal Investigator for the SUNY REACH Grant (2022-2023)
- Grant awardee for the RIT/NTID AHEAD Grant (2022-2023)
- Developed the construction of a state-of-the-art Additive Manufacturing Lab
- Faculty Senate Vice President (2008-2014)
- Tech Wars Annual Event Coordinator (2001-present)
- Faculty Council of Community Colleges (FCCC) Campus Delegate (2022-present)
- FCCC Diversity Equity Inclusion and Social Justice (DEISJ) Committee Member (2023-present)
- Instructional Resources Committee Chairperson (2002-2008)
- Career Pathways Site Coordinator (2006-2012)
- New York State Engineering Technology Association (NYSETA) Vice President (2017-2019), Executive Board Member (2011-2016), NYSETA Conference Coordinator, NCCC (2007, 2014)

University at Buffalo, Buffalo, NY

Adjunct: 1/2012 - Present

Instructor

Instructional Experience:

- CIE177 – Civil Engineering CAD (1/2016 – present)
 - Developed the course in the Fall of 2015
 - Instruct students on effective construction and site plan drawing reading for internships as well as full-time career positions
 - Students gain a functioning level of AutoCAD Civil 3D
 - Introduce students basic Autodesk Revit skills for use in future design civil courses
- CIE424 – CAD in Civil Engineering (1/2012 – present)
 - Developed the course in the Fall of 2011
 - Instruct students on detailed functionality of Autodesk Revit including detailed modeling, documentation creation, and introductory understanding of Dynamo
 - Introduce the students to the functionality of Bentley Structural Systems to assist in the design of steel infrastructures
 - Early sections instructed in utilizing SAP 2000 for the design of steel infrastructures

Service Experience:

- NYSETA/ASEE Conference Co-Coordinator (2017-2021)
 - Zone Conference at the University at Buffalo (2017, 2019)
 - Zone virtual conference, University of Bridgeport (2021)
- Computer lab equipment selection for computer lab Ketter 208 (2012).
- Selection and communication software needs in Ketter 208 and Capen 201A.
- Master's degree Advisory Board member for: "Building Information Modeling Applications In Construction Management" (2020), Jessie Ya-Ting Ho

Buffalo State University, Buffalo NY

2022

Master's degree Advisory Board Member

- "Development of an Efficient Pathway for the Advanced Manufacturing Technology Program at Hudson Valley Community College" (2022) Brian Wickham

Published Author

Solidworks 2012 Tutor

Delmar Cengage Learning, 2012, ISBN 978-1-4354-9678-1

A college level textbook that focuses on the functionality of Solidworks.

Industrial Experience

Wilson Greatbatch Inc. , Clarence, NY

2/94-1/00

Engineering Manager, Design Engineer, and Manufacturing Engineer

Project management and product development and improvement of fuel cells.

Apex Consulting – Survey and Engineering Services, Lockport, NY

9/93-3/94

Contract Engineer

Prepared survey plans for commercial and residential sites.

PC Design, North Tonawanda, NY

5/91-11/93

Engineer, CADD Department Director

Managed projects and personnel. Contracted engineering projects.

Dupont - Yerkes , Tonawanda, NY	5/91-11/93
Manufacturing Engineer, contract through PC Design Design and engineer web handling automated manufacturing equipment.	
FMC , Tonawanda, NY	5/91-11/93
Process Engineer, contract through PC Design Design process piping systems.	
Praxair , Tonawanda, NY	5/91-11/93
Mechanical Engineer, contract through PC Design Structural design of non-cryogenic air separation process skid units.	
Calspan , Buffalo, NY	5/91-11/93
Mechanical Engineer, contract through PC Design Design military wind tunnel testing experiment tooling and equipment.	
Moore Research Center , Grand Island, NY	11/88-2/91
Mechanical Designer/Junior Engineer Design and engineer web handling automated manufacturing equipment.	
Delphi – Harrison Radiator , Lockport, NY	5/87-8/88
Design Drafter, contract Design automotive thermal system components.	

Education and Training

BUFFALO STATE UNIVERSITY , Buffalo, NY	May 2005
<ul style="list-style-type: none"> ▪ M.S. Industrial Technology ▪ Justifying a Spatially Sorted Polytree Database for an Effective MCAD Modeling Program 	
ROCHESTER INSTITUTE OF TECHNOLOGY , Rochester, NY	May 1991
<ul style="list-style-type: none"> ▪ B.S. Mechanical Engineering and Technology 	
NIAGARA COUNTY COMMUNITY COLLEGE , Sanborn, NY	May 1987
<ul style="list-style-type: none"> ▪ A.S.S. Computer Aided Design and Drafting, Mechanical, Process Piping and Control 	
SCHOOL OF MINES , Golden CO	2008-2009
<ul style="list-style-type: none"> ▪ Sustainable Energy and Education Training w/ National Renewable Energy Labs 	

Welding Certifications

Certified Associate Welding Inspector (CAWI)	2024
<ul style="list-style-type: none"> ▪ Certified in D1.1 Structural Steel Codebook 	
Certified Welding Educator (CWE)	2024
<ul style="list-style-type: none"> ▪ Certified in welding education 	