

ABET Required Format for Faculty Vitae

Andrew J Affrunti Instructor (rev: 01-29-2020)

EDUCATION	<p>M.S.E.E., University of Illinois, Urbana, Spring 1965          B.S.E.E., University of Illinois, Urbana, Spring 1964          PhD course work (incomplete) Illinois Institute of Technology 1965-1967          Northern Illinois University coursework in management 1980          Aurora Community College Cisco Certified Network Associate 1990</p>
ACADEMIC EXPERIENCE	<p>University of Colorado ME Partnership Program, Grand Junction, CO Instructor 2014 to present          University of Colorado ME Partnership Program, Grand Junction, CO Adjunct Instructor 2011 to 2014          Colorado Mesa University MET Program Grand Junction, CO Adjunct Instructor 2011 to present          Substitute Teacher District 51 CO K12 2009 to 2011          Western Colorado Community College Grand Junction, Adjunct Instructor 2008 to 2009</p>
NON-ACADEMIC EXPERIENCE	<p>Analog Hardware Design Engineer Motorola, Inc., 1965 to 1980          Technical Marketing Semiconductors Motorola Semiconductor Group 1980-2005          National Ski Patrol Instructor Outdoor Emergency Care 1966 to present          National Ski Patrol Instructor Trainer and Rocky Mountain Training Advisor 1995-1997          Colorado Mountain Club Basic Mountaineering Instructor</p>
PROFESSIONAL REGISTRATIONS	<p>FCC License</p>
SCIENTIFIC AND PROFESSIONAL SOCIETIES OF WHICH A MEMBER	<p>IEEE</p>

<p>HONORS AND AWARDS</p>	<p>Life Time Membership Award fifty years of service from National Ski Patrol  Forty Years Service Award from Motorola  Forty Years Service Award from National Ski Patrol  Yellow Merit Star Emergency First Aid rendered from National Ski Patrol  AT&amp;T-Motorola first successful JIT program from Motorola  Avaya-Motorola VoIP DSP Program  JPL-Motorola Mariner 71 Flight Subsystem</p>
<p>INSTITUTIONAL AND PROFESSIONAL SERVICE IN LAST FIVE YEARS</p>	<p>Industry Advisory Committee (IAC) to ME, MET and CE programs between CU and CMU  Prior, Aurora Community College Computer Advisory Board</p>
<p>PRINCIPAL PUBLICATIONS OF LAST FIVE YEARS</p>	<p>None during retirement.  Prior, Planning, Executing and Maintaining a JIT Program.  Prior, Forced Ranking: A Counterproductive Approach to Performance Appraisal.  Prior, AN/PRC-68 Marine Corps concealed antenna VHF Radio User's Manual, Theory of Operation and Alignment.  Prior, Starlight 48 Channel UHF Point-to-Point Transceiver Noise Measurements, Group Delay Distortion and Alignment.</p>
<p>PROFESSIONAL DEVELOPMENT ACTIVITIES IN LAST FIVE YEARS</p>	<p>NI Webinar, Communications Education from AM to Spread Spectrum (4/4/19).  NXP Webinar, Software Security, Enhance Performance and Implement Machine Learning; 3 part seminar (May2019).  Discrete Control System lectures; 6 approximately half hour sessions.  Control Systems video lectures; 26 approximately half hour sessions.  National Instruments LabVIEW Webinars: 1) Temperature, 2) Volts, Current, Power, 3) Strain, 4) Sound and Vibration, 5) Load Pressure and Torque  MATLAB Seminar: Integrated Curricula with MATLAB and SimuLink Motivating First-year students. (2018)  Creation of numerous laboratory experiments to complement newly introduced Mechatronics course.  New course creation and execution; Introduction to Mechatronics, lecture and laboratory.  National Instrument 16 hour LabVIEW certification course.  New course creation and execution; Electric Power Engineering, lecture and laboratory.  National Instrument 40 hour course LabVIEW.  Siemens Programmable Logic Controller 40 hour course.</p>

	<p>Honing teaching skills in Western Colorado Community College, District 51 K12 and University of Colorado – Colorado Mesa University ME Partnership Program.</p> <p>Prior, Cisco Certified Network Associate.</p> <p>Prior, Six Sigma</p> <p>Prior, Program Management</p> <p>Prior, Target Account Selling</p> <p>Prior, Numerous courses from Motorola University, Northern Illinois University and Illinois Institute of Technology</p>
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