

## **Dr. Thomas B. Sturtevant, MIFireE, SFHEA, CFPS**

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### **EDUCATION**

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| 2001 | EdD (Education), University of Tennessee, Knoxville, TN                          |
| 1993 | MPA (Public Administration), University of Tennessee, Chattanooga, TN            |
| 1988 | B.S. (Organizational Management), Tusculum College, Greeneville, TN              |
| 1988 | A.S. (General Studies/Fire Science), Georgia Military College, Milledgeville, GA |

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### **POSITIONS HELD**

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| 2012-current | Associate Dean, Director Master of Public Service, College of Health and Public Service, Tenured Associate Professor, UVU   |
| 2014 – 2015  | Interim Dean, College of Aviation and Public Services, UVU (6/14 to 6/15)   |
| 1999-2012    | Agency Director Safety and Environmental Health (5/12 to 9/12)<br>Associate Division Director (2/09 to 5/12)<br>Program Director (11/99 to 2/2009)<br>Texas A&M Engineering Extension Service (TEEX), College Station, TX |
| 2000-2013    | Adjunct Instructor, Texas A&M, Blinn College, West Texas A&M University   |
| 1998-1999    | Interim Dean, Distance Education, Chattanooga State Community College, TN   |
| 1989-1998    | Program Coordinator, Fire Science Technology (Tenured Associate Professor)<br>Chattanooga State Community College, TN   |
| 1987-1989    | Senior Instructor/Fire Protection Specialist, Tennessee Valley Authority, TN  |
| 1982-1987    | Battalion Chief of Operations, San Onofre Fire Department, San Clemente, CA   |
| 1987-1982    | United States Air Force, Served as firefighter, driver, and crew chief  |

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### **CURRENT AND RECENT PROJECTS**

Director, Master of Public Service.

- Lead the startup and operation for the newly created Graduate degree, currently in the 2<sup>nd</sup> year with full enrollment.

Assessment

- Developed Program Learning Outcomes (PLO) assessment procedures and guidelines for the college.
- Completed 7 year program review for two schools (Public Services and Aviation), working on 7 Year review for School of Health.
- Lead effort to submit new degree proposal for Master of Public Services. Proposal approved by UVU Board of Trustee and USHE, currently at Northwest Accreditation Commission.
- Currently leading an effort to develop proposal for a Physician Assistant Master degree.
- Helped lead the effort to develop the Four-Year Rolling Strategic Plan for CAPS.
- Assisting program with developing Program Learning Outcomes

UVSelf Fellow, Utah Valley Senior Executive Leadership Forum (2014/15).

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## **ADMINISTRATIVE EXPERIENCE**

Experience with the supervision of employees at the staff, faculty, and professional levels as well as the management of diverse programs and projects to include curriculum development, accreditation/certification, and degree programs.

As the Interim Dean, responsible for all aspects of administration of the College of Aviation and Public Services (CAPS). As Associate Dean, responsible for working with program chairs, directors and faculty to develop College wide guidelines and procedures that comply with University policies and procedures to include faculty evaluation, workloads, schedules, program assessment and accreditation compliance.

As the Program Director and Associate Division Director within TEEX, responsible for all aspects of training delivery to include instructors, curriculum, and facilities. TEEX provides training and educational programs to adults including entry-level, advanced technical, and corporate.

As the interim Dean of Distance Education at Chattanooga State, worked with faculty to facilitate synchronous and asynchronous course development and offerings through workshops, incentives, and support systems. Also helped establish Chattanooga State's first distance education articulation agreement with Governors State University, IL.

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## **TEACHING AND LEARNING**

### **Program Coordination and Management**

As the Associate Dean, responsible for coordinating and helping program chairs, directors and faculty to review student enrollment metrics, review and develop growth and retention plans, and develop student learning outcomes assessment methods.

As the Program Director and Associate Division Director within TEEX was responsible for a variety of programs. Examples of accomplishments include:

- Lead a team effort in 2001 to secure accreditation with the National Professional Qualifications System (NPQS) to include a self-study, site visit, and development, review, and approval of multiple operating procedures. Oversaw the certification program and within five years became one of the top two programs in the US.
- Working with division staff, developed a process to have curriculum reviewed by the American Council on Education (ACE), the first curriculum reviewed within TEEX to receive a four semester-hour credit recommendation at the Baccalaureate level.
- Developed a number of operating procedures that standardized course development, student and instructor evaluation, After Action Reviews, and program benchmark achievement over multiple program areas.

Served as the Program Coordinator for Chattanooga State's Fire Science associate degree program for almost ten years.

### **Instruction and Delivery**

Experienced with teaching a wide variety of courses to include fire science, political science, and technology related courses. Currently teach an online Occupational Safety and Health course and Public Program Administration course for the Emergency Services program at UVU. While at TEEX, taught a Fire Protection Engineering course (400 and 600 level) for the Texas A&M University Chemical Engineering Department and an online Methods of Teaching course within the Blinn College Fire Science Degree program. Taught as part of a team for the TEEX executive development program that provides customized training for the Texas A&M University's MBA and EMBA program.

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Experienced with the development and delivery of college level courses in traditional (classroom), distance education, and blended formats. Taught distance education courses using both synchronous and asynchronous methods to include paper correspondence, videotape, cable, and Internet.

Current focus is on hybrid delivery formats and serious gaming, exercise, and simulation.

### **Courses Taught**

- ESMG 3200 – Health and Safety Program Management (UVU)
- ESMG 3150 – Public Program Administration (UVU)
- ESFO 2080 – Building Construction for the Fire Service (UVU)
- SENG 422/622 – Fire Protection Engineering (TAMU) (undergraduate and graduate level)
- EMA 3310 – Risk Management (WTAMU)
- FIRT 1355 – Methods of Teaching (Blinn)
- FESHE Core Courses, most all the lower division fire related courses
- PO 110 – American Government (Chattanooga State)
- PO 219 – State and Local Government (Chattanooga State)

### **Curriculum Development**

While at TEEX, helped establish a student centered focus, curriculum development processes (ADDIE and use of Bloom's Taxonomy), and evaluation procedures and guidelines (based on Kirkpatrick's Model) at the state fire training agency in Texas. Fostered a shared emphasis in the integration of alternative delivery methods, technology tools, and adult learning concepts into the teaching and learning process. Working with division and corporate staff, helped establish a curriculum development, review, revision policy and process now used by all divisions within TEEX. Curriculum development activities focused on:

- establishing measurable objectives and using adult learning/student centered principles and concepts within face to face and distance education courses
- use of blended learning solutions for business and industry
- translation and localization of curriculum use in Japan, Qatar, Germany and Mexico
- integration of technology as a means to enhance the teaching and learning process

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### **FINANCIAL EXPERIENCE**

Extensive financial experience to include budget development, grant administration, and revenue enhancement. The DOD Training and Education Program at TEEX generated funds through training, certification, and assessment activities. Within this program, was able to increase enrollment by over 30% within one year and increase revenue from \$774,000 in 2003 to 1.36 million in 2004 while also holding expenses to a minimum with a realized margin of 24%.

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### **ASSESSMENT AND EVALUATION**

As the Associate Dean, assigned to the University Academic Effectiveness Council with current focus on program assessment and helping implement the use of Insight as a means to support accreditation/reaccreditation documentation. Working with faculty to develop Program Learning Outcomes and curriculum mapping to Essential Learning Outcomes.

As Program Director with TEEX, lead the effort on a self-study/site visit and successfully secured accreditation by the National Professional Qualification System, which allowed TEEX to offer national certification to various NFPA standards in Texas, the US, and around the world.

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The primary focus of my research and consulting activities has been in the area of assessment and evaluation. Conducted detailed assessments of:

- Qatar, Qatar Petroleum Industrial Fire Protection (5/04)
- Yokosuka, Japan, Japan Naval Forces Regional Fire Department Training Program (10/03)
- Camp Butler, Okinawa, Fire Training Program (6/03)
- German and Italian State Fire Training Centers (2/02)

These evaluation/assessments included: a) curriculum, b) instructors, c) facilities and equipment, and d) evaluation of policies and procedures. Also assisted with a program evaluation of the National Fire Academy's Fire and Emergency Services Higher Education program. Initial steps included data collection to establish benchmark measurements.

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### **EMERGENCY RESPONSE**

#### **Firefighter, Driver, Captain, Battalion Chief**

Served in a variety of positions with response organizations to include military and industry. Moved through the ranks from firefighter to Captain to Battalion Chief of Operations. In addition to fire suppression, focused my efforts on specialized rescue, was an Emergency Medical Technician in California and helped Texas Task Force 1 with deployments.

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### **PUBLICATIONS**

Sturtevant, T. B. (2017) Higher Education: A Career Investment, UFRA Straight Tip, Volume 18, Issue 4

Sturtevant, T. B. (2014) *Unmanned Aircraft Systems*, UFRA Straight Tip, Volume 15, Issue 3

Sturtevant, T. B. (1996, 2005, 2011 3<sup>rd</sup> Edition). *Introduction to Fire Pump Operations*, New York:Delmar-ITP (Cengage Learning).

Sturtevant, T.B. (2006). *Exam Preparation For Fire Pump Operations*, New York:Delmar-ITP.

Sturtevant, T. B. (2003). "*Fundamentals of Fire Fighter Skills*" developmental editor for the "Cause Determination" chapter. NFPA/Jones and Bartlett Publishers, Inc.

Sturtevant, T. B. (2003). *Fire Chief's Handbook*, 6th edition, Author for Chapter 8: "*Safety and Occupational Health*." Tulsa:PennWell Corporation.

Sturtevant, T. B. (2001). *A Study of Undergraduate Fire Service Degree Programs in the United States*, USA:Dissertation.com, Available: [www.dissertation.com/library/112130xa.htm](http://www.dissertation.com/library/112130xa.htm)

Sturtevant, T. B., Seehuus, R., Goodlet, C. (1999). *Developing Courses for Internet Delivery: Some Considerations*. Academic Exchange Quarterly, Volume 3, Issue 3, pp. 83-86.

Sturtevant, T. B. (1999). *Practical Problems in Math for Emergency Services*, NY:Delmar-ITP.

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### **PRESENTATIONS**

Innovation in the Emergency Services (Apr. 2014), Utah Valley University  
Emerging Technology – Social Media use in Emergency Management  
Emerging Technology – UAS in Emergency Informatics

Leonardo After Hours (Dec. 2012) The Leonardo, 209 East 500 South, Salt Lake City  
Rise of the Drones: The questions and possibilities of harnessing advanced military technology for everyday use.

## **Dr. Thomas B. Sturtevant, MIFireE, SFHEA, CFPS**

Fire Asia 2012 (2/12) Hong Kong

Emergency Management Training Innovations – Authentic Simulation & Technology Integration

Fire & Emergency Services Higher Education Conferences, NFA: (4/99, 6/00, 6/01, 6/02, 5/03)

Update on Research Projects: 1) FESHE Program Evaluation, and 2) National Academic Fire Degree Information Reporting System: (6/02, 5/03)

National Satellite Broadcast: Are We Ready for Distance Learning? (6/01)

Research Update, Study of Undergraduate Fire Service Degree Programs in the US: 4/99, 6/00

Pro Board (NPQS) Accreditation Training Conference, Singer Island, FL (12/01, 2/05, 2/09)

Criterion Referenced Test Development (2/09)

Local Validation of Test Banks (2/05)

Distance Learning and Testing (12/01)

Industrial Fire World, 16th Annual Conference, Houston, TX (4/01)

Training for Industrial Fire & Emergency Response to the New Standards – NFPA 600 & 1081

The National Institute for Staff and Organizational Development (NISOD), Austin, TX (5/98)

Master Presenter – Distance Education Delivery Approaches

Fire Department Instructors Conference (2/95)

Automated Pump Simulators – A New Generation of Training & Evaluation

National Academic Fire Programs Workshop, U.S. Fire Administration, Emmitsburg MD (8/93)

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### **CERTIFICATIONS AND ASSOCIATIONS**

Senior Fellow, Higher Education Academy (SFHEA), (2018)

Member, Institute of Fire Engineers (MIFire), (2012 to present)

Certified Fire Protection Specialist (CFPS), (94 to present)

Member National Fire Protection Association, Education and Research Section (current)

National Professional Qualifications: Firefighter II, Fire Officer IV, Fire Instructor III (current)

TN Valley Fire Protection Association, NFPA Industrial Section; VP (95 to 96) and President (97 to 98)

Emergency Medical Technician (79 to 86)

Boy Scouts of America. Held various positions in Cub Scouts and Boy Scout to include Scout Master.

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### **COMMITTEES AND BOARDS**

Aviation Education Advisory Board (2015 to present)

Utah Unmanned Aircraft Systems Advisory Board (6/14 to present)

Utah-Ignite Steering Committee (7/14 to present)

Utah Valley University: (9/12 to present)

Academic Effectiveness Council

Academic Technology Steering Committee

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International Council

Advisement Council Committee

Associate Dean's Council

Degree Program Advisory Committees:

Southern Illinois University Fire Management Degree Program (2005 to Present)

Blinn College Fire Science Degree Program (2006 to 2012)

Committee on Accreditation member, National Professional Qualification System (2005 to 2010)

Member Board of Directors, National Professional Qualification System (2007 to 2010)

Advisory Board Chair, National Professional Qualification System (2007 to 2010)

Technical Correlating Committee member, National Fire Protection Association (2007 to 2010)

Member Board of Directors, Certified Fire Protection Specialist designation, (2006)

Scout Master, Boy Scout Troop 1074 (2009 to 2011)

Committee Chair, Treasurer, and Den Leader, Cub Scout Pack 735 (6/04 to 6/06)

Oklahoma State University, Delegate Selection committee (2005)

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### **HONOURS AND AWARDS**

2014 UVSelf Fellow, UVU

2011 Excellence in Innovation Award, Texas A&M Engineering Extension Service (TEEX)  
for work on the London Fire Brigade Project

2010 TEEXcellence Award, 4th Quarter, TEEX

2008 Distinguished Service Award, TEEX

Military: Airforce Training Ribbon, Oversea Short Tour Ribbon,, Good Conduct Medal

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### **RESEARCH INTERESTS**

Cut Score determination for criterion referenced high stakes exams.

Emergency Informatics; integration of UAS into Emergency Services and real-time use of social media during emergency operations.

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### **FACULTY POSITIONS**

2014 Associate Professor and Tenure, UVU

1998 Associate Professor, Chattanooga State

1996 Tenure granted, Chattanooga State

1994 Assistant Professor, Chattanooga State

1991 Instructor, Chattanooga State