

## **JESSE E. HORNER**

Associate Professor and Interim Chairman  
Department of Industrial Technologies  
College of Science and Technology  
Texas Southern University

### **OFFICE**

Department of Industrial Technologies  
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3100 Cleburne Avenue  
Houston, Texas 77004  
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### **RESIDENCE**

P. O. Box 450791  
Houston, Texas 77245  
(713) 294-0537

### **EDUCATION :**

Earned Doctorate of Education (ED.D), 1986,  
UNIVERSITY OF HOUSTON, Houston, Texas  
Dissertation's Title: *“Curricular Content of Basic Computer Graphics Courses  
for Teaching Engineering Drawing on the College and University Levels”*.

Masters of Science (MS), 1977,  
TEXAS SOUTHERN UNIVERSITY,  
Houston, Texas  
Major: Industrial Education  
Major Emphasis - Curriculum Construction for Engineering Drafting and Design  
Courses.

Bachelor of Science (BS), 1972,  
NORTHWESTERN STATE UNIVERSITY,  
Natchitoches, Louisiana  
Major: Industrial Arts Education  
Minor: Physical Education/Coaching

### **PROFESSIONAL EXPERIENCES :**

1977 – Present

TEXAS SOUTHERN UNIVERSITY (College of Science & Technology),  
Houston, Texas

**ASSOCIATE PROFESSOR** : Industrial Technologies

1982 – 1983

HOUSTON COMMUNITY COLLEGE, Houston, Texas  
**INSTRUCTOR**: Engineering Drafting and Design

1976 – 1977

EASTMAN WHIPSTOCK COMPANY, Houston, Texas  
**MECHANICAL DRAFTSMAN** : Downhole Tools

1975 – 1976

HYDRIL COMPANY, Houston, Texas  
**TOOLING DRAFTSMAN** : Oilfield Equipment

1973 – 1975

STRAN STEEL CORPORATION, Houston, Texas  
**MECHANICAL DRAFTSMAN** : Metal Buildings

1972 – 1973

NATCHITOCHESS JR. HIGH SCHOOL, Natchitoches, Louisiana  
**INSTRUCTOR** : Industrial Arts Curriculum Project (IACP)

### **PROFESSIONAL ACTIVITIES :**

Chaired the self-study committee and organized the re-accreditation report for submission to the Association of Technology, Management, and Applied Engineering (ATMAE) - April 2019.

Attended the annual conference and appeared before the Accreditation Board of the Association of Technology, Management, and Applied Engineering (ATMAE) held in Pittsburgh, PA on November 11-14, 2015. The Department of Industrial Technologies received re-accreditation of its programs in Design and Construction Technology thru 2019.

Developed course materials and taught an advanced course in computer-aided design using NX 8.5 software – Spring semester 2015.

Attended the Association of Technology, Management, and Applied Engineering (ATMAE) Convention in St. Louis, MO where I participated in the Accreditation Visiting Team and Self-Study Development Workshops – November 19-22, 2014.

Appeared before the Accreditation Board of the Association of Technology, Management, and Applied Engineering (ATMAE) held in New Orleans, LA on November 19-23, 2013. The Department of Industrial Technologies received re-accreditation of its programs in Design and Construction Technology.

Chaired the self-study committee and organized the re-accreditation report for submission to the Association of Technology, Management, and Applied Engineering (ATMAE) - April 8-10, 2013.

Submitted proposal and received funding totaling \$100,000 from Title III to work with at-risk students at Jack Yates High School – July 11, 2013.

Lead the Industrial Technologies faculty in organizing the re-accreditation report for submission to the Association of Technology, Management, and Applied Engineering (ATMAE) – April 9-11, 2013.

Attended the Association of Technology, Management, and Applied Engineering (ATMAE) Annual Convention in Nashville, TN where I participated in the Self-Study Development Workshops and Reaccreditation hearings – November 14-17, 2012.

Attended the Association of Technology, Management, and Applied Engineering (ATMAE) Convention in Cleveland, OH where I participated in the Accreditation Visiting Team and Self-Study Development Workshops – November 8-12, 2011.

Appeared before the Board of Accreditation of the National Association for Industrial Technology (NAIT) in Panama City Beach, Florida, October 23-27, 2007. The Department of Industrial Technologies received re-accreditation of its programs in Design and Construction Technology thru 2013.

Chaired the self-study committee and organized the re-accreditation report for submission to the National Association of Industrial Technology (NAIT) - April 8-10, 2007

Attended the National Association for Industrial Technology Convention in Cleveland, OH where I participated in the Accreditation Visiting Team and Self-Study Development Workshop – November 14-17, 2006.

Attended the National Association for Industrial Technology Convention in St. Louis, MO where the Dept. of Industrial Technologies received **Full Re-Accreditation** – November 16-19, 2005

Conducted a two-week Solid Modeling workshop at Makerere University – Kampala, Uganda – March 15-26, 2004

Co-authored proposal and received funding from USAID to develop course content for teaching solid modeling using Solid Edge software for mechanical engineering professors at Makerere University, Kampala, Uganda – February 2004

Attended the National Association for Industrial Technology Convention in Nashville, TN – November 19-22, 2003

Conducted a weeklong Solid Modeling workshop at Hempstead High School – June 2-6, 2003

Served on dissertation committee for Ms Ianthia Fisher (Education) – August 1999

Served on thesis committee for Mr. Ruben A. Howard (Transportation) – May 1999

Attended the National Convention of the National Association of Industrial Technology (NAIT) in Indianapolis, IN - October 1998

Attended the EDS Unigraphics Computer-Aided Design Workshop (CAD Fundamentals) in Detroit, MI - July 1998

Served on dissertation committee for Ms. Iris Jeffries (Education) – June 1998

Served on National Association of Industrial Technology (NAIT) Re-accreditation team at Bowling Green State University, Bowling Green, OH - April 1998

Participated in the EDS Unigraphics Computer-Aided Design Workshop (CAD Sketching) in Cypress, CA - March 1998

Attended the National Conference of the National Association of Industrial Technology (NAIT) in Atlanta, GA - October 1997

Served on National Association of Industrial Technology (NAIT) Re-accreditation team at Norfolk State University, Norfolk, VA - April 1997

Conducted one-week seminar/workshop in Computer-Aided Drafting (CAD) for H.I.S.D. Industrial Technology Teachers – June 1996

Served on National Association of Industrial Technology (NAIT) Re-accreditation team at California State University – Fresno, CA – April 1996

Served on thesis committee for Ms. Cheryl Early-Green (Transportation) – March 1996

Attended the National Convention of the National Association of Industrial Technology (NAIT) in Savannah, GA – October 1995

Served on thesis committee for Ms. Chin-Feng Kung (Transportation) – March 1995

Presented Lecture on Geographical Information Systems (GIS) for FIPSE Program at the University of Iowa – July 1995

Served on dissertation committee for Ms. Waltine Bourgeois (Education) – March 1994

Presented Computer-Aided Design Demonstration for High School Students from Fort Bend County – April 1994

Attended Autodesk University Conference in San Francisco, CA – October 1993

Conducted Computer Seminar for Technology Faculty at Post-Academic Workshop – May 1993

Served on dissertation committee for Ms. Frankie L. Patterson (Education) – May 1992

Served on Evaluation Team for Industrial Arts Programs in H.I.S.D. at Austin High School – March 1991

Developed coursework for Houston Independent School District (HISD) Industrial Technology Workshop – June 1990

Served on dissertation committee for Ms. Charity N. Ndeya (Education) – June 1988

Served as Visiting Professor at AT&T Information Systems in Denver, Colorado – Summer 1987

Served on dissertation committee for Ms. Patricia B. Huntington (Education) – March 1987

Served as Education Specialist for the National Association for Trade and Technical Schools (NATTS) Evaluation Team – September 1986

## **PROFESSIONAL MEMBERSHIPS :**

Member of the American Design and Drafting Association (ADDA)

Member of the Association of Technology, Management, and Applied Engineering (ATMAE)

Member of Epsilon Pi Tau (International Honorary for Technology Professions)

## **ACCOMPLISHMENTS :**

Redeveloped coursework using SolidEdge and Unigraphics NX software for Drafting 132, 133, 233, and 430 – August 2006

Proposal was funded by USAID and EDS-PLM Solutions in conjunction with Prairie View A&M, Texas Southern, and Tuskegee for training, equipment, and software for Makerere University, Kampala, Uganda – February 2004

Completed textbook entitled: “***Design Modeling Using Solid Edge***”, Kendall/Hunt Publishing Company, Dubuque, Iowa 2003

Promoted to rank of Associate Professor of Industrial Technology in the School of Technology at Texas Southern University - December 1994

Appointed Department Chair of Industrial Technologies in the School of Technology at Texas Southern University – September 1994

Appointed to the University Automated Information and Telecommunications Council (AITC) – November 1993

Received Chapter Volunteer Award from Vocational Industrial Clubs of America (VICA) – Stephen F. Austin High School – May 1992

Received a Certificate of Completion for a 3-day course in Total AutoCad Training at the MicroCAD Education Center in Austin, Texas – December 1989

Appointed Coordinator of the Drafting and Design Program – October 1989

Granted Tenure at Texas Southern University – July 1988

Submitted Article for Publication to The Journal of Industrial Technology entitled “Curricular Content of an Introductory CAD Course” – June 1988

Voted Most Outstanding Teacher in the School of Technology – March 1988

Developed curriculum for Basic Computer-Aided Design courses in the School of Technology – January 1988