

Name Harry P. Konen  
Title Professor  
Department Mathematics and Statistics  
College Arts & Sciences

### **Degrees Earned**

BA, Mathematics, St. Thomas University, Houston, TX, 1962

MS, Mathematics, Minor in Computing Science, Texas A&M University, College Station, TX, 1965

PhD, Mathematics, Minor in Statistics, Texas A&M University, College Station, TX, 1967

### **Professional Society Memberships:**

Texas Association of College Teachers

Office Held: Treasurer of SHSU Chapter

### **Honor Society Memberships:**

Pi Mu Epsilon Office Held: Faculty sponsor of Texas Epsilon Chapter

Delta Epsilon Sigma (National Catholic Honor Society)

Sigma Xi (National Scientific Research Society) – inactive member

Offices held: President elect of SHSU club 1981-82

President of SHSU club 1982-83

### **Peer-Review Publications and Artistic Performances/Exhibitions**

(co-authored with H.A. Luther) Some Fifth Order Classical  
Runge-Kutta formulas, SIAM Review, vol. 7, No. 4, October 1965.

Some Singular Explicit Fifth Order Runge-Kutta Solutions, SIAM  
Journal of Numerical Analysis, Vol. 4, No. 4, 1967.

### **Work or Professional Experiences**

Spring 1962 St. Thomas University; Houston, Texas  
Student teacher for non-credit mathematics courses

Fall 1962 Notre Dame University; Notre Dame, Indiana  
Graduate Assistant, Mathematics Department

1966-1969 San Jacinto College; Pasadena, Texas  
Instructor of Mathematics

1969-1974 Sam Houston State University; Huntsville, Texas  
Assistant Professor of Mathematics  
Tenured September 1, 1971

1974-1983 Sam Houston State University, Huntsville, Texas  
Associate Professor of Mathematics

1983-1996 Sam Houston State University; Huntsville, Texas  
Professor of Mathematics and Computing Science

1996-2007 Sam Houston State University; Huntsville, Texas  
Professor of Mathematics

**Administrative Experience:**

1999-2007 Deputy Chair of the Department of Mathematics and Statistics  
(1/4 administrative position)

**Areas of Teaching Expertise:**

Most Undergraduate Mathematics including integration of technology into courses.

Numerical Analysis

Numerical Solution of Ordinary and Partial Differential Equations

Undergraduate and Graduate Level Statistics

Statistics including the use of computer statistical packages (SPSS, SCSS, Minitab)

Introductory Programming in ADA, FORTRAN, BASIC, PASCAL, COBOL, or dBASEIV

Numerical Methods (including use of MATLAB, Maple, and a spreadsheet)

Advanced Scientific Programming in FORTRAN or BASIC

Linear Programming

Undergraduate and Graduate Operations Research

Undergraduate Simulation and GPSS/H programming

Computer Literacy—WINDOWS, word processing, spreadsheets, database, HTML coding

**RESEARCH ACTIVITIES:**

July 1996-Dec 1997 “Enhancement of Image Assessment Capabilities for Natural Resource Characterization”; Grant from US DOD and CERL through Texas Regional Institute for Environmental Studies; co-investigators: M. Carpenter, J. Carroll, L. Graham, C. Hallum, J. Hebert, W. So, and P. Van Fleet (project Director).

April 7, 1997 Assisted in presenting a preliminary version of the WIARS software (produced as a result of the grant mentioned above) to personnel at Oak Ridge National Labs.

Sept 3, 1997 Assisted in conducting a training session in the use of the WIARS Software for US Army natural resource managers at Ft. Stewart, Georgia.

Dec. 1998-Sep 1999 “Image Analysis and Support of Threatened and Endangered Species”; Grant from USACERL, Champaign, IL and Oak Ridge National Laboratory, Oak Ridge, TN; Co-investigators: P. Cooper, J. Hebert (project director), H. Konen, W. So, R. Turcajova, and J. Wang.

**Other Competencies**

Service to the University:

Faculty Council

Faculty Senate

University Curriculum Committee (2 occasions, most recent Chair 2000-2001)

Faculty Handbook Committee

University Institutional Effectiveness Committee

Faculty Achievement Awards Committee

University Calendar Committee

University Convocation Committee

Faculty Tenure Advisory Committee

Standing Faculty Tenure Committee (Chairman)

Self Study Committee on Faculty for the Southern Association of Colleges and Universities 1988

NCAA Self Study 1998

Various Departmental Committees

Faculty Sponsor of Pi Mu Epsilon

Faculty Sponsor of Ruth Lane Mathematics Club