# TSUM

## Lighting the Way To A Brighter Future

**TSUM Millennium's**

**CIS Colloquium**

**on Information Technology**

April 24-25, 2000

Whitley Hall
Gold Room

The right school for night school

334-273-9923     www.tsum.edu     1-800-355-TSUM

# Program
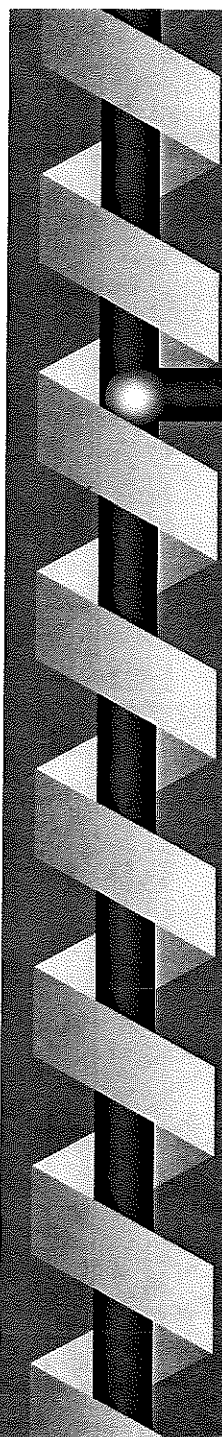
## Monday, April 24:

**8:30 - 9:00** Welcome Remarks by Dr. J. Sutton, Interim Vice President, Academic Affairs, TSUM; Opening Remarks by Dr. C. Martindale, Interim President, TSUM; Colloquium Highlights and Introduction of the Keynote Speaker, Prof. M. Sahinoglu, Eminent Scholar, Colloquium Chair, TSUM

**9:00 - 10:00** *Main Keynote Speech:*
A Study of the Service Industry - Functions, Features and Control, by Distinguished Prof. Emeritus C. V. Ramamoorthy, UC Berkeley

**10:00 - 10:15** *Break*

**10:15 - 12:15** *Panel Discussion on Information Technology:*
IT Education - Challenges and Solutions for 21st Century
Panel Organizer: C. Bayrak, Colloquium Co-Chair, CIS, TSUM;
Panelists: J. Sutton, VPAA, TSUM; C.V. Ramamoorthy, UC Berkeley; S. Szygenda, Dean, UAB; M. Tanik, ECE, UAB; H. Kirkici, NASA, Huntsville; Daniella Marghitu, CS, AU; D. Watkins, Chairman, MACC, Info. Tech. Comm., S. Gramling, Appointed Director, MACC, Board of Directors; M. Sahinoglu, CIS, TSUM; J. Ala, IT Lead Teacher, Brewbaker Magnet; N. Hetzel, Major, SSG

**12:15 - 1:15** Lunch

**1:30 - 2:00** *Keynote Speech* (Gold Room, Whitley Hall):
Information Engineering in 21st Century: Prof. S. Szygenda, Dean of Engineering, UAB

## IT Presentations/Session 1: (Session Chair: M. Mariano, Ph.D., CIS, TSUM)

**2:05 - 2:20** How Can We Save More While Testing Software for Better Products? M. Sahinoglu, Ph.D., CIS, TSUM

**2:20 - 2:35** Supporting Education with Adaptive Hypermedia: R. Hubscher, Ph.D., CS, AU

**2:35 - 2:50** Dynamics and Control of a Flexible Link with Impact: Dan Marghitu, Ph.D., Mech. Eng., AU

**2:50 - 3:05** *Break*

## IT Presentations/Session 2: (Session Chair: C Bayrak, Ph.D., CIS, TSUM)

**3:05 - 3:20** Unified Architectural Framework for more Complete Projects: C. Bayrak, Ph.D., CIS, TSUM

**3:20 - 3:35** TABU Search and its Applications: E. Perry, Ph.D., CIS, TSUM

**3:35 - 3:50** The Embedded Systems and Applications: A. Yildirim, Ph.D. Candidate, Adjunct CIS, UAB

**3:50 - 4:00** Validity of some Nonlinear Measures for Varying Data Length: R. Seker, Ph.D. Candidate, UAB

**4:00 - 4:10** Knowledge Discovery in Databases: S. Carmony, M.S. Candidate, CIS, TSUM

**4:10 - 4:20** Past, Present Future of Encryption: R. Meyers, M.S. Candidate, CIS, TSUM

**4:20 - 4:30** Implementations of a Barcode Reader Data Acquisition Interface with PIC16F84 Microprocessor: T. Mansfield, M.S. Candidate, CIS, TSUM

**4:30 - 4:40** Data Link Communication: A Similation Project: M. McAndrew, M.S. Candidate, CIS, TSUM

**4:40 - 4:50** A Microcontroller Aided Data Logging System: E. Udoh, S. Smith, M.S. Candidates, CIS, TSUM

**4:50 - 5:00** Should Places of Online Education Use Java in Support Areas in the Classroom? F. Strickland, M.S. Candidate, CIS, TSUM

## Tuesday, April 25:

**9:00 - 9:30** *Keynote Speech:*
Electronic Enterprise Engineering: Prof. M. Tanik, ECE, UAB

## IT Presentations/Session 3: (Session Chair: M Sahinoglu, CIS, TSUM)

**9:30 - 9:45** Information Security - Past, Present and Future: S. Goldsby, CEO, INTEGRATED COMPUTER SOLUTIONS

**9:45 - 10:00** ASP Intregration for Enterprise Solutions: P. Patterson, CEO, INTRANOLOGY

**10:00 - 10:15** Convergence of Voice, Data and Video (AVVID): G. Miles, Account Manager, CISCO

**10:15 - 10:30** Electronic Commerce and Internet Security: R. Traphan, Montgomery City Director, INLINE

**10:30 - 10:45** *Break*

## IT Presentations/Session 4: (Session Chair: M. Sutton, CIS, TSUM)

**10:45 - 11:00** Changing Directions - Moving from Client/Serve to Web-Based IT: J. Junker, Major, Software Eng. Div. Chief - SSG & Adjunct, CIS, TSUM

**11:15 - 11:30** Design Pattern in Object Oriented Programming: J. Bush, Captain USAF, Air-Force Wargaming Institute

**11:30 - 11:45** Computer Science Tutorials in Java: M. Mariano, Ph.D., CIS, TSUM

**11:45 - 12:00** TSUM Instructional Technology Enhancement Center - An Overview: M. Stewart, Tech. Enhancement Coordinator, Adjunct, CIS, TSUM

**12:00 noon** Closing Remarks

# Mehmet Sahinoglu, PHD
## Eminent Scholar/Chair
Division of Computer & Information Science
TSUM-Montogmery AL

Will Present a Lecture On

# Achieving the Quality of Verification for Behavioral Models with Minimum Effort

Where: Bldg 892 Auditorium
When: 7 April 00   1000-1100
Who: Anyone interested in Software Testing

Need more info?  Check out the following slides!

POC:  Debbie Mikolajczyk  416-3217  SSG/MST