IEEE Tappan Zee Subsection Joint Meeting with SME Westchester 216 & ASME Westchester County Chapter Presents:

"Mobile Device Transaction Using Multi-Factor Authentication"

Dr. Homayoon Beigi
President, Recognition Technologies, Inc.

Tuesday, May 26, 2015 at 6:30 PM
All are invited – Please Post
CEUs/PDHs will be offered

Abstract: A system is discussed in which a person may use a smart Cellular (Mobile) Telephone, a PDA or any other handheld computer as an authentication mechanism to make a purchase or conduct any other transaction which requires authentication, such as any financial transaction, any access control (to account information, etc.), and any physical access scenario such as doubling for a passport or an access key to a restricted area (office, vault, etc.). It may also be used to conduct remote transactions such as those conducted on the Internet (E-Commerce, account access, etc.). In the process, a multi-factor authentication is used. The discussed system may be used in the absence of a central network connection, only using a local network.

Bio: Homayoon Beigi earned his BS, MS, and PhD from Columbia University in 1984, 1985 and 1990 respectively. For over twenty five years, he has been involved in research and development in Biometrics, Pattern Recognition and Internet-Commerce. He has developed the award-winning RecoMadeEasy® Speaker Recognition engine and the multiple-award winning CommerceMadeEasy® software. He has been an Adjunct Professor at Columbia University since 1995, teaching "Fundamentals of Speaker Recognition, "Fundamentals of Speech Recognition," "Applied Signal Recognition," "Speech and Handwriting Recognition," and "Digital Control Systems" at the CS, ME, and EE departments. He was a Research Staff Member at the IBM T.J. Watson Research Center from 1991 to 2001, working on Speaker Recognition, ASR, LM, Search, Handwriting Recognition, Control, and NN Learning. He developed the SAFE Audio ANSI standard. His other research includes Structural Health Prognosis with the Civil Engineering department of Columbia University, Image Compression, Kinematic Analysis, Financial Optimization, and Zero-Gravity Fluid Dynamics.

Location: Seminar will be held in Room **111** at the School of Health Sciences and Practice (SHSP) Building, New York Medical College, 30 Plaza West off Sunshine Cottage Rd, Valhalla, NY 10595.
Directions: From Route 9A North – Make left turn on Dana Road (Westchester Co. Depts.) opposite entrance to Home Depot. Go straight past #7 Dana Rd. sign and make left before black fence onto Sunshine Cottage Road. Go past multi-level lighted parking garage, which is on left side of road and make the 2nd right at large blue building id sign. Follow road to right and look for building **"30 Plaza West", which is the School of Health Sciences & Practice.**
Map: http://www.ewh.ieee.org/r1/new_york/tz/locations/ny-med-col_health-sci.html

Registration: RSVP is requested. Registration Link is http://meetings.vtools.ieee.org/m/34572 See Tappan Zee Subsection website event page at http://www.ewh.ieee.org/r1/new_york/tz/ for more details.

Refreshments: Refreshments will be offered at 6:30 PM, presentation starts at 7:00 PM.
Seminar Coordinator: Robert M. Pellegrino – Chair, IEEE Tappan Zee Subsection