



The IEEE

Newsletter

PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

No. Jersey SMC Society:

Data Analysis and Interpretation with Excel 7.0

On June 11, 1998, the IEEE North Jersey Systems, Man and Cybernetics Society Chapter will host the continuance of five or six free tutorials and demonstrations by Mike Liechenstein on the development and usage of spreadsheets, using Excel 7.0© as a vehicle.

About the Talk

This phase of the lectures will focus on data analysis, including techniques of data description, data reduction, and interpretation - part of the accreditation goals specified by ABET (in its *CRITERIA 2000*) and AACSB (the business school counterpart). Although EXCEL is not a specialized statistical software package, it does provide numerous powerful statistical and graphical tools. These will be reviewed, along with the underlying assumptions, benefits, and limitations of the associated methodologies. Depending on interest, this lecture will be followed by similar examinations of Excel's statistical tools for estimation and forecasting. The presentations are progressively sophisticated and assume some prior knowledge (e.g., completion of the previous tutorials or the equivalent, plus some familiarity with the Windows 3.X, 95, or NT environments, and some mathematics).

All Welcome!

You need not be a member of IEEE to attend and there is no charge for admission. Light refreshments will be served.

Times:

4th Tutorial -- 7:00 PM, Thursday, June 11, 1998.

5th Tutorial -- To be announced.

Place: Clifton Public Library, 292 Piaget Ave, Clifton, NJ, (973) 772-5500 for directions or see Newsletter web page.

Information: Dr. Mike Liechenstein (973) 471-0721 (m.liechenstein@ieee.org) or Mel Lewis (914) 968-2500 ext. 2304 (m.lewis@ieee.org).

Show Pride – Be a Senior Member

To become a Senior member, you need ten years of experience. A Bachelors degree counts for three years and a Masters and Doctorate each count for one year. You don't have to be an IEEE member for ten years. To get information and an application, contact Don Weinstein, Kulite Semiconductor, One Willow Tree Road, Leonia, NJ 07605-2239, (201) 461-0900 or Amy Galarowicz, Glatt Air Techniques Inc., 20 Spear Road, Ramsey, NJ 07446-1288, (201) 818-3740, FAX (201) 825-0389, e-mail: a.galarowicz@ieee.org.



North Jersey Section Activities

June 1998

June 3—"NJ Section Executive Committee Meeting" – 7:00 PM, ITT, 100 Kingsland Road, Clifton, NJ. Keith Saracinello (973) 515-8829 or k.saracinello@ieee.org.

June 11—"Data Analysis & Interpretation with Excel 7.0" – NJ Section Systems, Man and Cybernetics Society, 7:00 PM, Clifton Memorial Library, 292 Piaget Ave, Clifton, NJ. Dr. Mike Liechenstein (973) 471-0721 (m.liechenstein@ieee.org) or Mel Lewis (914) 968-2500 ext. 2304 (m.lewis@ieee.org).

June 16-July 28—"Visual Basic 5.0" – North Jersey Section, Tuesday and Thursday Evenings, 6:30-9:00PM, location to be determined. Dr. Fred Chichester (973) 744-3065 (leave message) or Art Greenberg (973) 492-1207 (for course content questions only).

Upcoming Meetings

July 1—"NJ Section Executive Committee Meeting" – 7:00 PM, ITT, 100 Kingsland Road, Clifton, NJ. Keith Saracinello (973) 515-8829 or k.saracinello@ieee.org.

Sept. 8—"1998 MTT/AP Symposium and Mini-Show" – MTT-S/AP-S Chapter, (see upcoming August Newsletter or <http://megahertz.njit.edu/~ieeenj> for time), Hanover Marriott, Whippany, NJ, Dr. Chandra Gupta (973) 633-4469 (GEC-Marconi).

Sept. ?—"Wireless and Satellite Communication for the 21st Century" – MTT-S/AP-S Chapter, (see upcoming August Newsletter or <http://megahertz.njit.edu/~ieeenj> for time, speaker and location), Dr. Chandra Gupta (973) 633-4469 (GEC-Marconi).

Members and Non-Members Welcome

PLEASE POST

IEEE North Jersey Section Seminar

on

VISUAL BASIC 5.0

Tuesday and Thursday Evenings, June 16 – July 28, 1998

GEC-Marconi

Plant 11, 164 Totowa Rd, Totowa, NJ

The IEEE is offering an evening course entitled "Visual BASIC 5.0." This comprehensive course is intended for programmers migrating from procedural languages to Visual BASIC. The prerequisites for the course are a familiarity with the Windows Operating System, knowledge of a procedural language (i.e. BASIC or C) and programming concepts, and access to Microsoft Visual BASIC. Upon completion, students will understand event driven programming; intrinsic and ActiveX control objects, their properties, methods and events; have the ability to design application solutions. This course will run for 6 weeks. Each session will run for 2.5 hours with a short break in the middle. A textbook with CD ROM and all text materials required will be provided.

TOPICS

Introduction to Visual BASIC; Naming Conventions; Defining Standard and User Defined Type Variables; Constants; Built-In Functions; Scope; Creating a Graphical User Interface (GUI); Operators (Arithmetic, Comparison, Logical); Decision Structures; Program Flow Loop Structures; Debugging Errors; File System Objects; Menu System; Common Dialog Boxes; Multiple Form Project; Modules; Public and Private; Subroutines and Functions; Passing Variables by Value or by Reference; Object Collections; Arrays (Fixed and Dynamic); Error Handling; Build Database Front End Using the Data Control and Data-Aware Controls; Data Manager; Multiple Document Interface (MDI); Keyboard Events; Mouse Events; Drag & Drop Events; OLE; OLE Automation Using Other Microsoft Application Objects.

Class size will be limited to a maximum of 30 with a minimum of 15. Early registration is recommended. Telephone reservations will NOT be accepted. Applications postmarked after May 27th will require an additional late fee of \$25. No application will be accepted after June 3rd.

WHERE: To be determined.

WHEN: Tuesdays and Thursdays, June 16 – July 28, 1998, 6:30-9:00 PM (there will be no class July 2nd).

COST: IEEE members \$245; Nonmembers \$360. Including text book.

CONTACT: Dr. Fred Chichester (973) 744-3065 (leave message) or Art Greenberg (973) 492-1207 (for course content questions only).

REGISTRATION: VISUAL BASIC 5.0

To: Mr. Naz Simonelli, 68 Woodmont Drive, Randolph, NJ 07869-3740

Name: _____

☐ Nonmember

☐ IEEE member Member #: _____ Member of _____ technical society

Employer: _____

Address: _____

Home Address: _____

Business (day) telephone #: _____ Home telephone #: _____

Please enclose required fee payable to: **North Jersey Section IEEE**

Registration status will be mailed after June 4, 1998. In general, the effective date of the application corresponds to the date when BOTH a fully completed application and payment are received.

☐ Tuition receipt will be mailed only if this box is checked Signature: _____

Please enclose required fee payable to: **North Jersey Section IEEE**

Signature: _____