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 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 provide numerous statistical and graphical tools. These will be reviewed, along with the underlying assumptions, benefits, and limitations of methodologies. the associated 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 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.



## **June 1998**

## Volume 45, Number 1

Publication No: USPS 580-500

"The IEEE Newsletter" (North Jersey Section), is published monthly except July and October by The Institute of Electrical and Electronics Engineers, Inc. Headquarters: 345 East 47th Street, New York, NY 10017-2394. \$1.00 per member per year (included in annual dues) for each member of the North Jersey Section. Periodicals-class postage paid at New York, NY and at additional mailing offices. Postmaster send address changes to: "The IEEE Newsletter", 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331. USPS 580-500 (ISSN 1076-3732).

#### **NEWSLETTER STAFF**

Editor	Theresa	Saracinello
Business Manager	Keith	Saracinello

**Deadline for receipt of material** is the 1st of the month preceding the month of publication. All communications concerning editorial and business matters, including advertising, should be sent to the Business Manager via e-mail at *k.saracinello* @ieee.org or to *The IEEE Newsletter, c/o Keith Saracinello, 96 Everett Rd, Parsippany, NJ 07054-3164,* (973) 515-8829.

#### **IEEE NJ SECTION HOME PAGE**

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#### **SECTION OFFICERS**

Chairman	Melvin Lewis
m.lewis@ieee.org (	914) 964-3820
Vice-Chairman-1 Dr. F	red Chichester
(	973) 744-7340
Vice-Chairman-2 Dr. 0	Chandra Gupta
(	973) 633-4469
Treasurer	Rodney Cole
(973) 299-9	9022 Ext. 2257
SecretaryKe	eith Saracinello
k.saracinello@ieee.org (	973) 515-8829

Members-at-Large:

Amy Galarowicz (201) 818-3740 a.galarowicz@ieee.org

Dr. Timothy Chang Dr. Nirwan Ansari

The North Jersey Section Executive Committee usually meets the first Wednesday (except holidays and December) of each month at 7:00 PM. Meetings are open to all members. For information on meeting agenda call Secretary Keith Saracinello (973) 515-8829.

# 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 27<sup>th</sup> will require an additional late fee of \$25. No application will be accepted after June 3<sup>rd</sup>.

WHERE: To be determined.

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

**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 W	oodmont Drive, Randolph, N	J 07869-3740	
Name:			
Nonmember			
☐ IEEE member		Member of	technical society
Employer:			
Address:			
Home Address:			
Business (day) telephone #:		Home telephone #:	
Please enclose required fee paya Registration status will be mailed when BOTH a fully completed ap	d after June 4, 1998. In gen	eral, the effective date of the	application corresponds to the date
$\square$ Tuition receipt will be mailed o	nly if this box is checked	Signature:	
Please enclose required fee paya			
Signature:			