Explore the Knowledge-based Society During *the* Professional Conference

Really *nine* special conferences in one. Just to highlight one of the nine tracks covered at FJCC '86—

- Education
- Software Systems
  - Artificial Intelligence
  - Supercomputing
  - Algorithms
  - Modeling/Measurement
  - Computer Design
  - International Developments
  - Operating Systems/Data Bases/LAN'S

**FJCC '86 Presents Software Systems**

The three most critical ingredients of a successful computer system are software — and software — and software. How do we make it? How do we test it? John White's sessions on integrated environments present the current thinking on high-productivity tools. The Hypertext session shows Andrei van Dam's influence on next-generation systems for handling documents.

Engineering of these systems is no easy matter. Gerald Weinberg's talk on technology transfer will take you through how and how not to advance your own efforts in software engineering. If you succeed in producing a new gem of software, how do you know that it is reliable? Bill Hawes's session on software testing shows that advanced testing techniques have moved from the research lab to the development lab. His strategy can become your strategy at the FJCC.

**Do you Recognize the Famous Dates?**

1. 1950: The first computer (Mark I) was built.
2. 1961: IBM introduced the 1401 mainframe.
3. 1961: DEC introduced the PDP-8, the first minicomputer.
4. 1965: The first integrated circuit was introduced.
5. 1965: The first microprocessor was introduced.
6. 1966: The first personal computer was introduced.
7. 1970: The first personal computer was introduced.
8. 1974: The first laser printer was introduced.
9. 1986: The first digital camera was introduced.

**Technical Forum Presentations**

"This is an exciting period in the evolution of computer architectures. Symbolics, as the leader in symbolic processing architectures, wouldn't miss being at FJCC '86. Our Technical Forum presentation at FJCC '86 will give us a unique chance to reach key decision makers. This is one show we really have to be a part of."

Joseph Morin, Director
Federal Systems Group
Symbolics, Inc.
As computer professionals, we are responsible for the increasingly complex information processing systems that our society depends on. To do our jobs properly, we have to pursue quality information and educational opportunities. And invariably we have had to sacrifice either quality or quantity in choosing which seminars or conferences to attend.

For once, however, you don't have to make that choice. At FJCC you will have an opportunity to explore—in-depth—NINE major arenas, and every one of these is worth attending. This has warranted the opinion from leading industry figures that this conference will be the biggest and best in the last ten years! We've also carefully scheduled the sessions so that you can either obtain a total immersion experience in just one or two subject areas; or gain a solid awareness for current developments in all of the nine vital arenas.

Don't miss this major event, and I'll see you there!

A serious concern for computing professionals and corporations that use and create this technology is retaining competence and current information in an environment where pressures driven by change, competition and cost are unprecedented. A critical aspect of solving this concern is providing solid educational opportunities for the computing professional that fit into a busy schedule.

The Professional Education Program at FJCC offers in-depth training as an integral part of the conference program. PEP course offerings in AI, Software Engineering, Hands-On Computing... taught by some of the most distinguished lecturers/experts in the field today, provide an opportunity that computing professionals and their organizations cannot afford to miss.

For further conference information, return the coupon or contact:

Program
Dr. Harold S. Stone, IBM T.J. Watson Research Center
P.O. Box 218 Yorktown Heights, NY 10598

Professional Development
Toni Shetler
TRW Systems Division W1/4454
7600 Colshire Drive McLean, VA 22102

Dr. Harold S. Stone
Program Chairman

Toni Shetler
Chair, Professional Education Program

Return to: Dr. S. Winkler, FJCC '86, 1730 Massachusetts Ave., N.W., Washington, D.C. 20036-1903

Yes, I'd like to attend FJCC '86 and be where the action is on November 26, 1986 in Dallas.

Name __________________________ Telephone __________________________
Affiliation __________________________
Street Address __________________________
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CALL US AT 1-800-722-FJCC, ext. 15, for faster action or further information. NOTE—early registration by October 18 will save you money.
11th Conference On
Local Computer Networks
October 6-8, 1986
Minneapolis, Minnesota
You are invited to attend
Tutorials - Paper Sessions - Panel Sessions - Discussions of Practical Experience

A Conference Specializing In
local networks

Program Includes:
Monday, October 6, 1986
7:30 a.m.-9:00 a.m. Registration
9:00 a.m.-5:00 p.m. Tutorial 1
"LANs and the MAP/TOP Factory and Office Automation Protocols," Maris Graube, Consultant
9:00 a.m.-5:00 p.m. Tutorial 2
"Local Computer Networks: Software Applications," Noel Schmidt, Architecture Technology Corporation

Tuesday, October 7, 1986
8:00 a.m.-9:30 a.m. Registration
9:30 a.m.-11:00 a.m. Keynote Session
"Evolution of Broadband LANs," J. Edward Snyder - General Manager, TRW Information Networks Division
"Ethernet - From Technology To Solutions," Judith L. Estrin - Executive Vice President, Bridge Communications, Inc.
11:15 a.m.-12:15 p.m. Session 1 - LAN Issues
"Resource Sharing Local Networks," R. Linebarger & D. Doggett, Brigham Young University
"Jitter," Howard Salwen, Proteon
12:15 p.m.-1:30 p.m. Lunch
1:30 p.m.-3:30 p.m. Session 2 - LAN Testing
Chairman: Harvey Freeman - Architecture Technology
Panelists: Jim Amaral - Cabletron
Steve Gibson - CMU
Linda Stewart - Excelan
Howard Salwen - Proteon
Stephane Johnson - TITN
3:30 p.m.-5:00 p.m. Session 3 - MAP
"Performance Management," K. H. Muralidhar, Industrial Technology Institute
"High Performance Bus For MAP," Doug Jacobson, Iowa State University
5:30 p.m.-6:30 p.m. Cocktail Party
6:30 p.m.-9:00 p.m. Banquet Feature Comedy
Presentation: Michael Jacobs

Wednesday, October 8, 1986
8:30 a.m.-10:00 a.m. Session 4a - Broadband
"Design of a Broadband Network," Kanti Prasad, University of Lowell

"Broadband Ethernet For Image Transmission," S. E. Hauser, M. A. Crocker, & T. R. Harris, National Institute of Health
"The Future of Broadband," Philip Edholm, Sytek
8:30 a.m.-10:00 a.m. Session 4b - LAN Software
"Packet Capture System for LAN Software Development," N. Michael Minnich, University of Delaware
"A Software Tool for Performance Analysis of LANs," Dennis S. Mok, Western Illinois University
10:30 a.m.-12:15 p.m. Session 5a - Token Rings
"Performance of the TMS 380 Token Ring LAN Adapter," Cedell Alexander, Texas Instruments
"LANs with Multiple Host Connections," D. F. Komblum, Bell Communications Research
10:30 a.m.-12:15 p.m. Session 5b - Network Management
"Living on The Leading Edge of Ethernet Use," Michael K. Mollov, University of Texas
"A Laboratory for LAN Measurement Experimentation," R. Kinicki, P. K. Chiang & C. Walton, Polytechnic Institute
"Network Monitoring," D. C. Feldmeier, MIT Lab For Computer Science
"Network Management for Large HYPERchannel LANs," Ken Hardwick, Network Systems
12:15 p.m.-1:30 p.m. Lunch
1:30 p.m.-3:00 p.m. Session 6 - Software Issues
Chairman: Mike McKee - Consultant
Panelists: J. Scott Haugdahl - Architecture Technology
Rod Merry - Computer Network Technology
Chung Le - HDR
Joel Halpert - Network Systems
Bill Johnson - ViaNetix
3:30 p.m.-5:00 p.m. Session 7 - Future Directions
Chairman: Ron Rutledge - Transportation Systems Center
Panelists: To be announced

Sponsored by: IEEE Computer Society TC-Computer Communications
PRE-REGISTER FOR THE
11th Conference on Local Computer Networks
Conference Site - Minneapolis Plaza Hotel
315 Nicollet Mall, Minneapolis, MN 55401

Tutorials:
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"Local Computer Networks: Software Applications," Noel Schmidt, Architecture Technology Corporation

Keynote Speakers:
"Evolution of Broadband LANs," J. Edward Snyder - General Manager, TRW Information Networks Division
"Ethernet - From Technology to Solutions," Judith L. Estrin - Executive Vice President, Bridge Communications, Inc.

Banquet Feature Comedy Presentation:
Michael Jacobs

General Chairman:
Bob Lutnicki
Computer Network Technology
9440 Science Center Drive
New Hope, MN 55428
(612) 535-8111

Program Chairman
Dr. Ron Rutledge
U.S. Department of Transportation
Transportation Systems Center
Cambridge, MA 02142
(617) 494-2768

Registration Information
Pre-registration must be received on or before
Tuesday, September 30, 1986 - no exceptions:
We are not responsible for your delays, mail delays, training department delays, etc.
Registration fee for conference (Oct. 7-8) provides for conference proceedings, four refreshment breaks, two luncheons, and the banquet. Tutorial registration fee (Oct. 6) includes luncheon, tutorial notes, and two refreshment breaks.

Make all checks payable to:
Conference on Local Computer Networks

Hotel - A block of rooms has been set aside at the Minneapolis Plaza Hotel, 315 Nicollet Mall, (612) 332-4000, Minneapolis, MN 55401. Please reference: Eleventh Conference on Local Computer Networks

You are responsible for your own hotel reservations!

Registration:
Send registration and fee to:
11th Conference on Local Computer Networks
Harvey A. Freeman
Architecture Technology Corporation
P.O. Box 24510
Minneapolis, MN 55424
(612) 935-2035

Name ____________________________
Organization ______________________
Address __________________________
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Registrations received after September 30 will be returned without exception! Registration after September 30 will be handled on-site at the on-site rate of $225 for the conference and $160 for the tutorials for IEEE members and $280 for the conference and $200 for the tutorials for non-members. Register early!

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