Hellman Associates Presents a Special Tutorial Seminar

Cryptography and Data Security

Los Angeles, January 28-30 — Washington, DC, March 24-26 — Palo Alto, CA, April 21-23 — Woburn, MA, May 19-21

Topics

Basic Concepts • Commercial Applications
• Capabilities & Limitations of Cryptography
• Vulnerability of Communications
• Privacy Legislation

Cryptographic Systems • IBM Systems and the National Data Encryption Standard (DES)
• Public Key Cryptosystems
• Digital Signatures
• Voice Scramblers

Cryptographic Theory
• Cryptanalytic Threats
• Stream and Block Systems • Trap Doors
• Shannon Theory Approach

System Implementation • Key Management
• User Authentication • Error Control
• Threat Analysis • Audit Trails
• Testing & Certification

Application Examples
• Networks & Distributed Processing
• EFTS • Electronic Mail
• Telecommunications & File Encryption

"The code breakers may finally have met their match. As a result of recent work by Stanford University scientists, ciphers that are for all practical purposes unbreakable can be produced easily. Says Scientific American Mathematics Columnist Martin Gardner: 'The breakthrough bids fair to revolutionize the entire field of secret communication'. . . Hellman overcame this fundamental obstacle with a dazzlingly simple yet ingenious scheme." [TIME MAGAZINE]

Expertise on these vital new techniques is urgently needed by every organization that handles valuable or confidential data. Make sure that your organization has the expertise — reserve your place now at this intensive special seminar given by one of the world's leading experts.

MARTIN HELLMAN

Martin Hellman has earned an international reputation for his invention of the revolutionary new 'Public Key' and 'Trap Door' encryption methods. In addition, he has played a leading role in proposing improvements to the NBS Data Encryption Standard (DES). His background embodies a unique blend of research with IBM, MIT and Stanford University and extensive practical consulting experience. Dr. Hellman is also a gifted speaker, able to present complex material in an easily understood and readily applied manner. Over 500 people have attended this highly popular seminar, and enthusiastic evaluations were received from attendees with backgrounds ranging from the military to the financial world. Dr. Hellman is currently an Associate Professor of Electrical Engineering at Stanford University.

This Special Seminar is intended for managerial and technical staff working in the communications, data processing, or security area, with current or potential responsibilities for implementing, specifying, or authorizing security measures for the protection of data. A degree in engineering, science or mathematics (or equivalent background) would be useful in gaining full benefit from the more detailed technical material.

Registration and Information Request

Space is limited: Reserve your place now at this intensive Special Seminar.

Name: ____________________________________________
Address: __________________________________________
____________________________________________________
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Phone: _____________________________________________

Return to:
Hellman Associates
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