



San Fernando Valley Section
Jointly with:
Costal Los Angeles Section –
Computer Socceity Chapter

Invites you to attend:

The Inaugural Presentation for
A Combined Chapter of
The Computer and Communication Society

under the auspices of
The San Fernando Valley Section

Time: Thursday, May 29, 2008, 6 – 9 p.m.

Location: Google, 604 Arizona Avenue, Santa Monica, CA 90401.

Contact: Narisa.chu@ieee.org, ggg@ieee.org, alex.perry@ieee.org

RSVP by May 27: hjmcintyre@ieee.org for facility entrance and count. Be prepared to sign Google's NDA before receiving permission to premises.

MATHEMATICAL THEORY OF TECHNOLOGY

By Dr. Mark Burgin
Honorary Professor of Aerospace Academy of Ukraine
Visiting Scholar at UCLA

Abstract of the Presentation:

Development of technological knowledge made possible to elaborate the mathematical theory of technology. Its starting point is an exact, however, informal definition of technology as a system of knowledge. Two classes of technologies (general and specific) are introduced to reflect the situation existing in industry and engineering. This provides for the construction of a general mathematical model

of a specific technology as well as for the development of a relevant mathematical apparatus and exact methods for an investigation and design of various technologies (in industry, management, information processing, education, and so on).

The mathematical theory of technology utilizes new mathematical disciplines such as theory of named sets, fuzzy set theory, and theory of structured multidimensional models of systems and processes as well as traditional fields such as algebra, theory of probabilities, and theory of algorithms.

Speaker: Dr. Mark Burgin, Visiting Scholar at UCLA from Ukraine



Dr. Mark Burgin received his Ph.D. in mathematics at the Moscow State University and Doctor of Science in Logic and Philosophy from the National Academy of Sciences of Ukraine. He is currently a Visiting Scholar at the UCLA. He is a member of New York Academy of Sciences, Academy of Information Sciences of Ukraine, and International Academy of Original Ideas. He is the Chief Editor of the International Journal on Computers and their Applicationis. He published more than 500 papers and 17 books. His practical experience includes design of operating systems for languages for such systems, databases for biological information, and general expert systems, as well as mathematical modeling databases and expert systems.

Inaugural Meeting::

Narisa Chu and Mark Burgin would like to start a local Chapter of Computer and Communications Society in the San Fernando Valley Section of the IEEE, knowing that more than 30% of Section's membership belongs to either the Computer or the Communication Society.

The Coastal LA Section Chapter of the Computer Society lends us support to start this Chapter. Special thanks to Charlie Jackson, Greg Griffes of the Coastal LA Computer Society, and Alex Perry of Google for facilitating this initiative.

If you are interested in promoting technical discussions, networking and continuing education on the subject of computer and communications in both Sections, please attend the program organization meeting, immediately following the presentation.