HERCMA 2007

Invited Speakers

Professor **E.G. COFFMAN**, Columbia University-NY, U.S.A.
Professor **H. FOLLMER**, Humboldt University, Germany
Professor **M. GILES**, OUCL- Oxford University, England
Professor **Sir C.A.R. HOARE**, FRS, Oxford University, England
Professor **J. KEVREKIDIS**, Princeton University, U.S.A.
Professor **P.-J. LIONS**, College de France, France
Professor **T. SATO**, The Earth Simulator Center, Japan
Professor **K. SUGIHARA**, University of Tokyo, Japan
Professor **A. TOLSTYKH**, Moscow Institute of Physics & Technology (MIPT) & DAMP-CC-Russian Academy of Sciences, Russia
Professor **J.N. TSITSIKLIS**, M.I.T., U.S.A.
Professor **E.E. TYRTYSHNIKOV**, Institute of Numerical Mathematics (INM), Russian Academy of Sciences, Russia
Professor **AIHUI ZHOU**, ICM-SEC AMSS, Chinese Academy of Sciences, Beijing, P.R. China.

Co-operating Societies

ACM (Association for Computing Machinery), U.S.A.
ACM - SIGACT, SIGSAM, SIGSOFT, U.S.A.
SIAM (Society for Industrial and Applied Mathematics), U.S.A.
IMACS (Intern. Association for Maths and Computers in Simulation), U.S.A.
GAMM (Gesellschaft fur Angewande Math. und Mech. e. V.), Germany
JSIAM (Japan Society for Industrial and Applied Mathematics), Japan

Organizing Committee

E. LIPITAKIS
G. DOUKIDIS
M. BEKAKOS
P. KATERINIS
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J. DEMETRIOU
R. PAPADEMETRIOU
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G. GRAVVANIS
E. TZAFESTAS
C. PAPALAMBROU
K. GALANAKI
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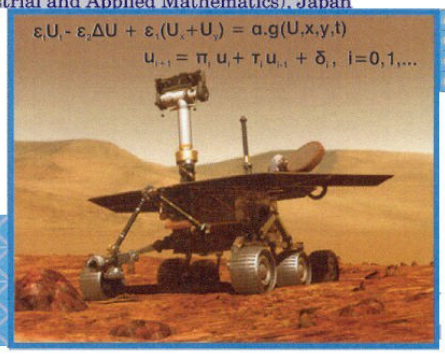

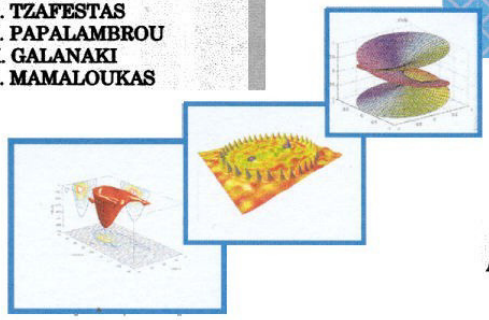

RESEARCH GROUP FOR ADVANCED COMPUTATIONAL MATHEMATICS

DEPARTMENT OF INFORMATICS
ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS

Session 5C: *Minisymposium:* ADVANCED TOPICS IN COMMUNICATIONS

Organizers: R.C. Papademetriou, Univ. of Portsmouth, UK *(Chairperson)*
Mung Chiang, Princeton University, USA

18.00- 18.30 5C-1
Reliable resynchronization of sequential decoders
CHERUBINI G., IBM Research, Zurich Research Laboratory, Switzerland

18.30- 19.00 5C-2
Don't optimize existing protocols, design optimizable protocols
JIAYUE HE, MUNG CHIANG and REXFORD J., Princeton University, USA

19.00- 19.30 5C-3
Multi-postpath-based lookahead multiconstraint QoS routing
DONG-WON SHIN[1], CHONG E.K.P.[2] and SIEGEL H.J.[2], [(1)] Samsung Networks, Seoul, Korea, [(2)] Colorado State University, USA

19.30- 20.00 5C-4
A signal-subspace steering vector beamformer robust to pointing errors
MANIKAS A., ELISSAIOS G. and EFSTATHOPOULOS G., Imperial College, London, England

20.00- 20.30 5C-5
Efficient Simulation methodologies for wireless Multimedia Communication Systems
PAPAZOGLOU P. [1], KARRAS D.[2] and PAPADEMETRIOU R.[1], [(1)] Univ. of Portsmouth, England, [(2)] TEI-Chalkis, Greece

20.30- 21.00 5C-6
Minimum distance improvement method for sequential detectors
GURCAN M., WELIWITEGODA D. and CHANDRA G., Imperial College, England