

**Dr. Elena Sarri** is a senior research associate with the Control and Decision Theory Laboratory, at the Dep. of Electrical and Computer Engineering (ECE) of the National Technical University of Athens (NTUA). She is also a lecturer and laboratory instructor at the Technological Education Institute of Piraeus, Dept. of Electronic Engineering. She is currently involved in various theoretical and applied projects. She has worked as a Telecommunication Engineer at the Department of Design and Development of Networks and New Technologies of a Local Mobile Provider. She has also been involved with research activities in several areas such as (in chronological order): optics, telecommunication engineering, electronics, analog filter design, biomedical engineering, techno-economic evaluations, stochastic optimization algorithms.

She obtained her PhD Thesis in Electrical and Computer Engineering from the National Technical University of Athens. Her PhD Thesis title is: “**Modelling and Techno-Economic Evaluation of Telecommunication - Satellite Services using Optimization Techniques**” (advisor Prof. George P. Papavassilopoulos).

She received a 2 year MPhil degree in Electronics and Radioelectrology, from the Depts. of Physics and Informatics the National & Kapodistrian University of Athens. She received a Diploma in Physics from the UOA after graduating from the Varvakeio High School.

Her current research interests are in the area of techno-economic analysis and evaluation of telecommunication systems, biomedical eng problems, transportation problems and fleet management as well as in theoretical problems in optimization and dynamic decision making under uncertainty.

#### **Journal Publications**

- “Reflectivity Properties of an Asymmetrical Slab Waveguide for the case of Transverse Magnetic Modes”, *Journal of the Optical Society of America A, Vol. 17, No. 1, pp. 162-172, January 2000*, G. Latsas, A.B. Manenkov, I.G. Tigelis, E. Sarri.
- “A Decision Making Tool for Assessment of Leasing Policies of a Satellite Operator”, *International Journal of Simulation Systems, Science & Technology, Vol. 7, No. 7, pp. 66-76* Elena Sarri, George P. Papavassilopoulos.
- “The Modified Pascal Polynomial Approximation and Filter Design Method”, *International Journal of Circuit Theory and Applications, July 2010, accepted*, Hercules G. Dimopoulos, Elena Sarri.
- “A Mathematical Model for Deriving Optimal Leasing Policies of a Satellite Operator”, under submission *Management Science*, Elena Sarri, George P. Papavassilopoulos.

#### **Conference Publications**

- “Leasing Policies of a Satellite Operator: Comparison of two Methodologies”, *5th International Conference on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2006, July 2006, Patras Greece*, Elena Sarri, George P. Papavassilopoulos

- “A Decision Making Tool for Assessment of Leasing Policies of a Satellite Operator”, 20th European Conference on Modelling and Simulation *ECMS 2006*, Bonn Germany, Elena Sarri, George P. Papavassilopoulos