

Ighor Uzhinsky



Invited Professor,

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Prof. Uzhinsky's research focuses on applications of mathematical methods and computer technologies to analysis and synthesis of technical and economic/organizational systems. He developed a number of complex models and algorithms for solving problems of multi-criterion optimization with integer variables. He also designed models for evaluating and forecasting the behavior of complex systems and processes with applications to energy, project planning and implementation, as well as for business analysis in such diverse areas as oil and gas, clean energy, and space launch. Dr Uzhinsky is a prolific inventor with interdisciplinary approach. He is the author of 60 research papers and reports in the USA and Russia. His ideas led to a number of patents, including patents for methods and systems of producing hydrogen and oxygen for power generation, and power source.

Since 1995, Dr Uzhinsky is affiliated with the American Aerospace company ATK (Alliant Techsystems). Currently, he is Director for Business Development at Orbital ATK Launch Vehicles Division. Prior to that, he held a number of management and leadership positions, including the Director for International Projects at Thiokol Technologies International, Team Lead for the development of hydrogen storage and generation technologies, International Business Development Manager at ATK Washington D.C. Operations, Lead for the development of innovative image recognition algorithms, and Principal Investigator.