



University of Thessaloniki
Department of Physics
54124 Thessaloniki
Professor Panos Argyrakis

Tel : +30-231-0998043
Fax : +30-231-0998042
E-mail : panos@physics.auth.gr
www : <http://kelifos.physics.auth.gr>

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Letter of Support

To whom it may concern:

I hereby express the full support of the Aristotle University of Thessaloniki, Greece (AUTH) to the FuturIcT Flagship Initiative which is coordinated by Prof. Dirk Hebling of ETH Zurich, Switzerland.

The Aristotle University of Thessaloniki is the largest University in Greece. It is a public government funded institution and has extended expertise in large-scale computer simulations of complex systems, such as disordered lattices, fractals, random walks, and different types of networks, random and scale-free networks. Our research group emphasizes the use of numerical methods and computer experiments to study the topological properties of complex systems, as well as the dynamic/kinetic processes that take place on such systems, e.g. diffusion, spreading phenomena, propagation of information or epidemics and other types of transport phenomena on heterogeneous structures. AUTH holds extensive experience in applying modern methods of Statistical Physics, such as Scaling Theory and Monte Carlo techniques, to problems on complex structures, commonly encountered in Solid State Physics, but now extending to SocioPhysics, EconoPhysics, etc.

The above processes are studied by extended use of Grid Computing and HPC computing, using parallel processing, employing a local facility. AUTH is one of the main stakeholders of the HellasGrid National Grid & HPC Initiative, it has participated in all EGEE phases, as it has been involved in Grid-related IT Infrastructure projects since early 2002.

With this letter of support, we confirm our interest in supporting and participating to the work towards the project proposal and its implementation.

Yours sincerely,

Prof. P. Argyrakis

Scientific Coordinator of the AUTH Grid & HPC Center