

E-Science and E-Infrastructures in Turkey

(Keynote 2)

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Abstract: *E-infrastructure comprises all services, applications, organizations and technologies that enable researchers to use high-speed computer networks, computational systems, data warehouses, software tools, and to access resources and share tools to carry out research projects regardless of where they are located. Computationally intensive science uses e-infrastructures to carry out speedy, effective and fruitful scientific research using methods supported by next generation information and communication technologies and distributed networks while e-science analyzes huge amount of scientific data that requires distributed computing. In this keynote paper, we will review the state of the art of scientific research projects carried out by means of e-infrastructures and evaluate them from technical and administrative viewpoints along with international developments and national policies.*

Bio: *Serkan Orçan has been the Deputy Director (technical) of the Turkish Academic Network and Information Center (ULAKBIM) since 2005. Mr. Orçan served as the chief network engineer in setting up of the Turkish Academic Network (ULAKNET) of ULAKBIM during 1994 and 1999. He also worked in the private sector as an engineer and administrator (2000-2005). Mr. Orçan holds a BS degree in Computer Engineering (1994) and an MS degree in Science and Technology Policies (2006), both from the Middle East Technical University in Ankara, Turkey.*