INVITED LECTURE

M-Tahar Kechadi (Professor, School of Computer Science and Informatics, University College Dublin, Dublin, Ireland) is going to lecture on

Data Grid Environment and Tools

at Room A, Department of Informatics, Aristotle University of Thessaloniki, **Ethnikis Antistaseos 16 (2ⁿᵈ floor), Thessaloniki 55133** on **Monday October 10ᵗʰ, 2011 at 12:00.**

ABSTRACT
During the last decade there has been a huge interest in Grid technologies and numerous Grid projects have been initiated with various visions of the Grid. While all these visions have the same goal of resource sharing, they differ in the functionality that a Grid supports, characterization, programming environments, etc. In this lecture, a new Grid system is presented that is dedicated to deal with data issues, called DGET (Data Grid Environment and Tools). DGET is characterized by its peer-to-peer communication system and entity-based architecture, therefore, taking advantage of the main functionality of both systems; P2P and Grid. DGET is currently under development and a prototype implementing the main components is in its first phase of testing. I will also describe the two main components of DGET: Entity Management and Security subsystem, as well as its virtual and efficient network topology that can support volatility of peers and high level of network traffic.

About the Speaker:

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M-Tahar Kechadi. He was awarded PhD and Master's degrees in Computer Science from University of Lille 1, France. He was appointed as lecturer at the Computer Science Department of Lille University. Subsequently he worked as a post-doctoral researcher under TMR program at University College Dublin (UCD). He joined UCD in 1999 as a permanent staff member of the School of Computer Science & Informatics (CSI). He is currently Professor of Computer Science at CSI, UCD. His research interests span the areas of data mining, distributed data mining heterogeneous distributed systems, grid and cloud computing, and digital forensics, and cyber-crime investigations.

Prof. Kechadi has published over 210 research articles in refereed journals and conferences. He serves on the scientific committees for a number of international conferences and he organised and hosted one of the leading conferences in his area. He is currently a member of the editorial board of the Journal of Future Generation of Computer Systems and the IST Transactions of Applied Mathematics-Modelling and Simulation. He is a member of the communication of the ACM journal and IEEE Computer Society. He is regularly invited as a keynote speaker in international conferences or to give a seminar series in some Universities worldwide.

Prof. M-Tahar Kechadi has been involved in international collaborations, in particular with researchers at the Universities of Tennessee, Purdue, Liverpool, Lille and Artois (France) and CERN. He is currently full member at CERN. He has been a visiting professor at the University of Artois – Bethune since 2002. Recently he has a strong collaboration with the most important Chinese Universities, such as Fudan University in Shanghai, and Fuzhou University. Since joining UCD, Prof. Kechadi has built up the Parallel Computational Research Group (PCRG). Currently he supervises 13 PhD students and 4 post-doctoral fellows. He has supervised to completion 15 MSc by research and 13 PhD students. All these students are either holding lecturer positions in the academia or key positions (project leaders) in the companies that are currently working.

 Off campus premises of the Department of Informatics, Aristotle University of Thessaloniki: