

## Department of Electrical and Computer Engineering

**Title:** «*Interdependency Modeling*»

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**Room A108, Old Campus  
University of Cyprus**

### **Abstract:**

In the last years we observed a significant development of scientific, technological and public initiatives about critical infrastructures (CI) and their protection. A cornerstone concept in many of these initiatives is the one of 'interdependency', assumed as one of the most relevant and innovative elements to be considered in order to define effective management and protection plans. This talk illustrates such phenomena, its causes and the some modeling approaches in the line of develop solutions able to improve resilience and robustness of CI.

### **Biography:**

Roberto Setola is the head of the COSERITY Lab (Complex Systems & Security Lab) at University UCBM of Rome and the director of the Master's program for 'Homeland Security' Formerly a member of the Italian Prime Minister Office (1999-2004), and a member of the G8 Senior Expert CIIP Group (2002 - 2006). He coordinated the EU projects SecuFood, FACIES and SLO and was involved in more than twelve national and international projects related to critical infrastructure protection and homeland security. Since 1992, Roberto, in collaboration with several universities and research centres, has presented numerous studies on many topics related to modelling, simulation and control of complex networks and systems and the protection of critical infrastructures. Throughout his career, Roberto has co-authored 3 books, edited 3 books, been a guest editor of 3 special issues on international journals, been an editor in chief of 2 magazines and co-authored roughly 130 scientific publications.