



The Art and Joy of Research and Innovation

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WEDNESDAY 1st February 2012 17:30 – 19:00

**Room KENTP - E002, Old Campus
University of Cyprus**

Abstract: The new European Union Framework for Research and Innovation, Horizon 2020, will run from 2014-2020 with an €80 billion budget. Horizon 2020 aims to raise the level of excellence in Europe's science base and ensure a steady stream of world-class research to secure Europe's long-term competitiveness. To achieve this goal, funding for research and innovation is not distributed equally among the various countries and research groups, but rather it is used to support the most talented and creative research teams who can carry out frontier research of the highest quality. How can Cyprus be competitive in this new research and innovation environment? The goal of this presentation, geared towards young researchers (PhD students and Post-Doctoral researchers), is to provide a personal perspective on issues that are important for pursuing high quality research. The presentation will discuss topics such as the publication of high quality journal papers, proposal preparation, the pursuit of interdisciplinary research, innovation and entrepreneurship, as well as issues related to ethics, professionalism and volunteerism in research.

Biography: Marios M. Polycarpou is a Professor of Electrical and Computer Engineering and the Director of the KIOS Research Center for Intelligent Systems and Networks at the University of Cyprus. His teaching and research interests are in intelligent systems and control, fault diagnosis, computational intelligence, adaptive, cooperative and distributed control systems, and critical infrastructure systems. In 2001, Dr. Polycarpou was the first faculty to join the newly established ECE Department at the University of Cyprus, where he served as Founding Department Chair from 2001 to 2008. He served as the Editor-in-Chief of the *IEEE Transactions on Neural Networks* between 2004-2010. He has been invited as Keynote Plenary Speaker at 14 international conferences during the last three years. Dr. Polycarpou is an IEEE Fellow since 2006, and is currently the President of the IEEE Computational Intelligence Society.