Technical University of Crete
School of Electrical & Computer Engineering

Courses & research topics offered to the incoming Erasmus+ students during the Academic Year 2017-18

A. Postgraduate courses

A.1 Autumn Semester:

1) Introduction to Probabilistic Graphical Models & Inference Algorithms – TEL 606

A.2 Spring Semester:

2) Parallel and Distributed Computer System Architecture - ACE 605


B. Supervision of diploma thesis (for undergraduate students) and MSc/PhD thesis (for postgraduate students) during the Autumn and Spring Semesters, in the following fields:

1) Computer Architecture, data-center processing, parallel programming, FPGA Design. (Prof. D. Pnevmatikatos)


3) Electrophysiological signal analysis, Biomedical image processing, Biomolecular Imaging, Genomic data analysis and interactions, Image processing for surveillance applications. (Prof. M. Zervakis)

4) Implementation of Quantum Computation with cavity QED or Superconducting Circuits or Integrated Photonic Chips, Different projects in implementation of Quantum Simulations and Quantum Computing in Quantum Technologies. (Assoc. Prof. D. Angelakis)