



Department of Electrical, Computer and
Biomedical Engineering

Ph.D. School in Electrical and Electronic
Engineering and Computer Science



Co-funded by the
Erasmus+ Programme
of the European Union

Course on “Cloud Computing”

Professor Dana Petcu
West University of Timisoara, Romania

28 April 2015, h. 16:00-18:00
29 April 2015, h. 9:00-13:00, 14:00-16:00
Seminar Room (ex Dept. Elettronica) – D Floor
Via Ferrata 5 - Pavia

Abstract: The course intends to provide both the basics of Cloud computing as well the insides from the on-going research activities in the field. The short introduction to Cloud computing will refer to the main concepts and the positioning versus other distributed systems. The current limitations of the Cloud computing technologies will be revealed indicating the challenges for on-going and future research activities. The underlined subjects will be the portability issues and the development of Multi-Clouds frameworks. The hands-on session will focus on programming with platform-as-a-service like Google App Engine and Cloudera MapReduce. Tool demos developed in the frame of recent of European collaborative projects related to Multi-Clouds will also be provided.

Biography: Dana Petcu (PhD) is Professor at Computer Science Department of West University of Timisoara, scientific manager of its supercomputing center, and CEO of the research spin-off Institute e-Austria Timisoara. Her interest in distributed and parallel computing is reflected in more than two hundred papers about Cloud, Grid, Cluster or HPC computing. She is and was involved in several projects funded by European Commission and other research funding agencies, as coordinator, scientific coordinator, or local team leader. She is also chief editor of the open-access journal Scalable Computing: Practice and Experience. Details at <http://web.info.uvt.ro/~petcu>

Organizer
Prof. M. Calzarossa

Ph.D. Coordinator
Prof. P. Di Barba