A VIRTUAL EDUCATIONAL LABORATORY FOR TELECOMMUNICATIONS ENGINEERING

A. N. D'Andrea, F. Giannetti, G. Manara, M. Michelini, P. Nepa

Dipartimento di Ingegneria dell’Informazione, Università di Pisa
Via Caruso, 56122 Pisa

aldo.dandrea, f.giannetti, g.manara, m.michelini, p.nepa @iet.unipi.it

Abstract

We present a virtual educational laboratory that allows the simulation of communication systems, equipment, devices, and measuring instruments, developed by using the software environment LabVIEW(TM) from National Instruments. The system, which fulfills the need for a flexible and low-cost educational tool for laboratory practice, is being used in the Laboratory of Telecommunications and Applied Electromagnetics of the Engineering College of the University of Pisa, Italy.