Virtual Simulation on the Web

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Abstract

E-learning is becoming more and more used by students and teachers in higher education. It is a new way of performing practical works and acquiring knowledge in many fields, especially in technology. Gathering ressourses and sharing their usage is very beneficial for educational institutions and will reduce the cost of training.

In this paper we present the architecture of a platform we are developing in our university for the purpose of distance learning. This platform is a part of a TEMPUS project for linking three e-labs situated in three maghrebian countries, namely Algeria, Morocco and Tunisia. The platform is mainly dedicated to our students and can be accessed remotely via internet. We will present its architecture, focusing on the web interface and we will see that we use web services for access control and for simulations. The last will be performed by tools such as *AMS and TCAD from Silvaco*.

Biographies

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