

e-Engineering Alliance

The e-Engineering is a concept that results from the concatenation of two previous ideas: e-learning and remote laboratories.

The e-Engineering Alliance is a Special Interest Group (SIG) inside the International Association of Online Engineering (IAOE) whose aim is to disseminate the e-Engineering concept all over the world, demonstrating its importance for the development of higher education and lifelong learning training.

The SIG promotes the transfer of the knowledge necessary for Universities to create their own e-Engineering courses, helping them to build a curriculum, to obtain the course national accreditation, to train teachers and technicians, to create contents, to design and develop a remote laboratory, and to perform their quality assessment.

You too may be part of this SIG and promote e-Engineering in your University.

Visit the SIG section of the e-LIVES webpage at

e-LIVES.eu

Project partners



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France



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Portugal



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Association of Online
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Vienna - Austria

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The project

The goal of the e-LIVES project is to help universities to build sustainable and innovative e-learning courses in engineering fields.

The challenges

To build fully online courses is a complex process requiring universities to address a diversity of aspects:

- the construction of an economic model;
- the training of a pool of teachers able to understand the pedagogical differences between face-to-face and distance learning;
- the development of the technical infrastructure needed to create and deliver the courses;
- the training of the technical staff required to maintain that infrastructure;
- the national accreditation of the course;
- and, in STEM (Science, Technology, Engineering, and Mathematics)-related courses, the development, and implementation of real-time controlled online laboratories to allow students to do laboratory work remotely.

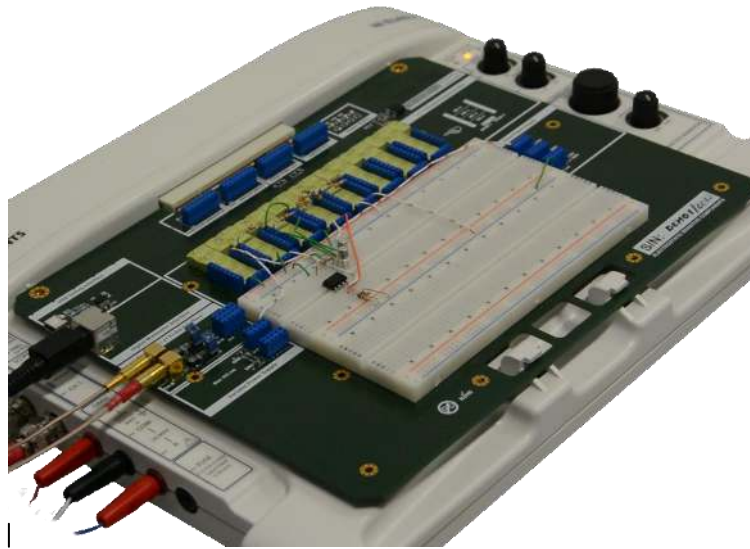
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The methodology

Following a hands-on approach, e-LIVES will create a detailed description of each one of the steps necessary to design and develop an e-Engineering course: the building of a curriculum; the obtainment of the national accreditation; the training of teachers and technicians; the creation of the contents; the quality assessment...; and a detailed guideline that enables Universities to develop by themselves (from A to Z) a remote laboratory.

The long-lasting purpose of the e-LIVES project is to generate in the Universities a more committed and skilled environment ready to introduce new forms of flexible learning into daily training activities and to create and manage accredited engineering courses.

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Interested ?

Keep up-to-date with the e-LIVES project developments by regularly visiting the project website

e-LIVES.eu

and signing our biannual newsletter in the Newsletter section of the website.

Want to talk with us?

If you want to get in touch with us, please fill in the form available in the Contact us section of the e-LIVES website.