

ICL Special Session Call for Papers

Knowledge and Technology Transfer between University and Industry Title

KaTT

Overview

Engineering education is constantly adapting to changes in society and the various sectors that comprise it. Universities not only have to provide students with a high level of academic and technical knowledge, but also have to provide students with competences and skills to face the changing challenges of the modern world, the incorporation of new technologies, forms of production and organization in the productive and service sector in each country and equally in the global context. In this scenario, the transfer of knowledge and technology between the university and the vocational educational and training system with the productive and service sector plays a fundamental role in ensuring the correct integration of students into the world of work.

The Special Session "Knowledge and Technology Transfer between University and Industry" (KaTT) within the ICL 2021 Conference, September 2021, Dresden, Germany, aims to cover all aspects related to experiences of the transfer of knowledge and technology between the university and vocational educational and training (VET) systems from different countries with the productive and service sector. The aim of this special session is to present research projects, curricular adaptations, teachers' and students' experiences in the university and vocational education context, applications of didactic frameworks, experiences of teachers and students in working with the productive and service sector (locally and also in international case experiences), evaluation of implementations, development of products and services in the framework of academic activities, proposals for curriculum adaptations promoting KaTT, evaluations of examples of such educational experiences among others. The objective is to bring together various stakeholders to exchange ideas and experiences and to foster networking between academia and industry

Topics

Authors are invited to submit complete papers for the KaTT special session (no abstracts needed). The topics cover all aspects of "Knowledge and Technology Transfer", including but not limited to the following:

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- Research projects with framework on KaTT
- Curricular adaptations with framework on KaTT
- Teachers' and students' experiences in the university and vocational education context with framework on KaTT
- Applications of didactic frameworks
- Experiences of teachers and students in working with the productive and service sector (locally and also in international case experiences)
- Evaluation of implementations
- Development of products and services in the framework of academic activities
- Proposals for curriculum adaptations in Engineering to promoting KaTT
- Evaluations of examples of such educational experiences
- Evaluation of industrial needs
- Didactical experimentations with framework on KaTT
- Experiences of KaTT from University and VET to Industry
- Experiences of KaTT from Industry to University or VET

Program Committee

Chair(s)

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