

Alumni Network "Education and Technology Transfer"

The work of the alumni network "Education and Technology Transfer" is directed to the systematic training of the alumni and support their professional career to become experts, so they can with analytical and advisory capacities effectively impact from the planning to the action level in educational, economic and administrative-managing sector and also in research institutions and development projects. Furthermore, it aims to the development of regional networks between the Alumni (also Alumni Associations) with the economic, political representatives and members of the international development cooperation. In addition, the network searches to attract talented alumni to research or doctorate in Germany and also for the implementation of collective scientific collaborations and projects. In terms of effectiveness, the network will be a contribution to the solution of problems regarding deficiencies in the implementation of modern manufacturing and service structures by contradictions between technology, qualification and socio-cultural conditions in developing and emerging countries and also in relation to the deficiency of problem-oriented organizational structures and deficiencies in organizational and personnel development on the non-formal and informal level.

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Workshop Organizers:

Technische Universität Dresden
Faculty of Education
Institute of Vocational Education



offers:

- A Master's program „Vocational Education and Personnel Capacity Building“ in collaboration with international Universities
- A PhD program

Universität Leipzig
Small Enterprise
Promotion and Training



offers:

- A Master's program „Small Enterprise Promotion and Training“, in collaboration with international Universities
- A PhD program

Universidad de Talca



offers:

- Bachelor and Master's programs in different fields of engineering sciences
- Bachelor and Master's programs in forestry and agricultural science
- Bachelor and Master's programs in Economics and Social Sciences
- PhD programs

Welcome to:

The 10th International Workshop of the Alumni Network „Education and Technology Transfer“

(November 2 – November 06, 2020
Santiago/Talca - Chile)

International Workshop on
**Engineering Education and
Entrepreneurship for Sustainable
Development**

at the

Universidad de Talca
Campus Santiago de Chile

Preliminary Announcement

Sponsored by

DAAD

Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

Workshop „Engineering Education and Entrepreneurship for Sustainable Development“

The workshop is aimed at alumni who are primarily active in the teaching or administration of academic engineering training or who are responsible for personnel development in companies.

The aim of the workshop is a critical analysis of qualification deficits of technical professionals in South America and the development of conceptual proposals for their further development in the context of work process orientation. The results of the engineering-pedagogical development projects and / or the professional practice partnership against the background of the educational policy initiative Ingenieria 2030 in Chile represent an essential basis of the discussions.

The topic of the workshop is based on the needs of the developing and emerging countries on didactic further education concepts as well as on the application-oriented course development in the field of engineering education.

The focus of the scientific discussions will be:

- Qualification requirements for engineers in modern production and service structures against the background of the digitization of work processes
- Design of engineering training with special regard to industry-related research skills and technology transfer
- International models of engineering didactics and their adaptation options for the further training of teachers in engineering education
- Qualification approaches for entrepreneurship in engineering education

Workshop Program and Structure

Day 1 – 2

- Situation and development trends in engineering education for modern production and service structures
- The importance of engineering education for sustainable development in South America
- Knowledge and technology transfer between universities and companies

Day 3 – 4

- Technical excursion in partner companies of the project to practice partnerships
- Qualification approaches for entrepreneurship

Day 5

- Approaches of international engineering pedagogy

Sponsorship

Thanks to the kind support of the DAAD. Through this financial support, about **25 participants from developing countries** will be able to take part in the workshop.

Travel and accommodation costs of participants will be reimbursed.

The registration fee of €100 covers access to all sessions, the welcome reception and coffee breaks. This fee will not be covered by the scholarship.

Application

To apply, please send by e-mail:

1. A recent CV of the applicant.
2. An abstract of presentation of no less than 500 and no more than 1000 letters.

until April 20, 2020

to: Steffen.Kersten@tu-dresden.de.

The application may be submitted in German or English language.

Workshop's languages are German and English.