

Special Track on Secondary and Tertiary Technological Education

While engineering education is offering a secure higher tier for any technological group, there is obviously a need for technical staff at various levels. People coming from Applied Science disciplines, Secondary and Tertiary Vocational Education and from Vocational Training programs, originating from different backgrounds, are the ones who fill this need.

What is more important is that the constantly expanding corpus of technological knowledge, including ICT, digital technologies, IoT-related innovations but also of materials and biotechnology, demand a better understanding of the nature of technological knowledge, proper teaching and learning methods and better organization of the whole process. At the same time, the rate of the technological knowledge production and renewal creates a gap between the originally acquired knowledge during the educational process and the knowledge available to be used by the most senior staff.

Transition courses and adult and continuous education and training courses are used to handle the rising need for properly educated and trained personnel. Still, the current situation tests the limits of both secondary and tertiary education institutions raising questions in various topics.

Topics

- What is the nature of technological knowledge, theoretical and tacit?
- What is its connection to Engineering Education?
- What are the socio-economic needs that it answers?
- What is the core knowledge and how can the basic education provide for it in order to render further education and training effective?
- Do students of Technological Education, at any level, present specific traits in their learning styles, career development patterns and educational needs?
- How are its institutions coping with the cumulative demands of quality Technological Education and the need for its massive deliverance?
- Is online learning possible in technically demanding subjects and can Blended Learning become a viable alternative?
- What is the relation between technological education and training, and can they be defined in a coherent and complementary way?

Paper Submission

- Papers due: **June 22, 2019**
- Notification due: June 30, 2019
- Camera-ready due: July 14, 2019
- Conference date: September 20-22, 2019

Organisers and Co-Chairs

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Submission Guidelines

- (1) Short papers (3-4 pages) are also accepted.
- (2) Please follow the instructions (<https://seeda2019.unipi.gr/authors/>) for the submission process and choose "*Special Track 9...*" for the Topic selection.

Contact Information

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