Jouko Lehtonen

STUDENTS' VISIONS ON MICROPILE WALL APPLICATIONS: HOW TO CONSTRUCT A LARGE DIAMETER PILE OR AN UNDERPASS

Innovation Pedagogy The New Culture of Learning





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Innovation Pedagogy

Innovation pedagogy is a new culture of learning in which learning happens by:

- Experimenting
- Learning from and with others
- Combining different information sources and (working)life experiences
- Taking a multidisciplinary approach
- Applying a problem- and goal-oriented approach





As a teacher in the new culture of learning

- Learning enabler
- Guiding in the culture of experimentation, teaching to learn
- As a contact between working life and the learner
- Emphasising a goal-oriented and entrepreneurial attitude
- Providing feedback and encouragement
- Supervising and organising favourable learning environments and situations
- Providing the necessary basic information, linked to real life situations and problems





As a learner in the new culture of learning

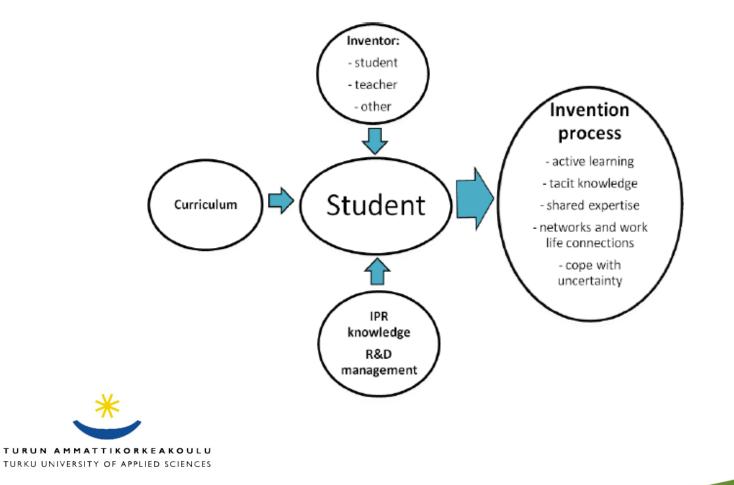
Learning

- From and with others,
- Multidisciplinary,
- Creatively,
- By experimenting,
- By combining different sources of information and expertise

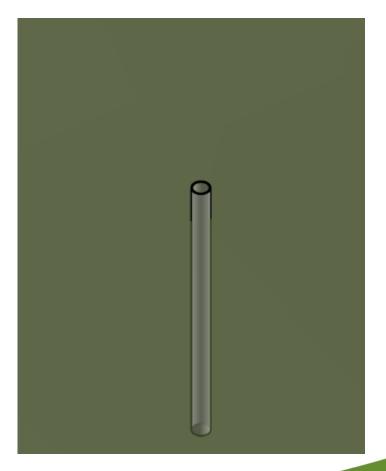


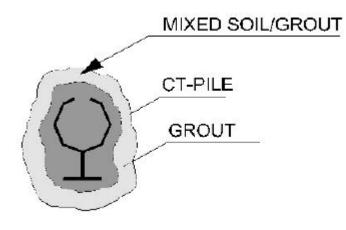
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Invention as an environment for learning



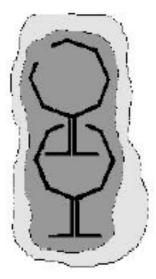
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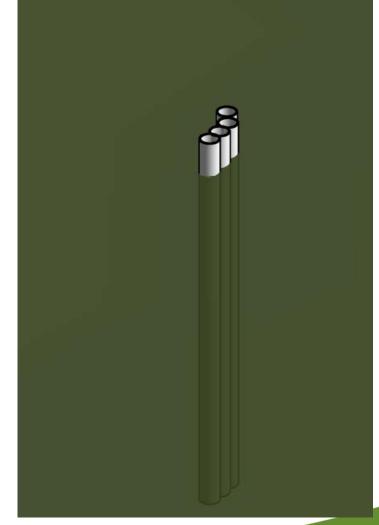


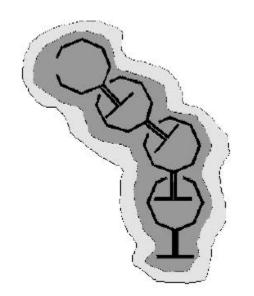




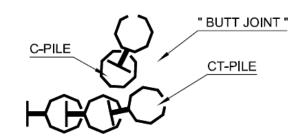


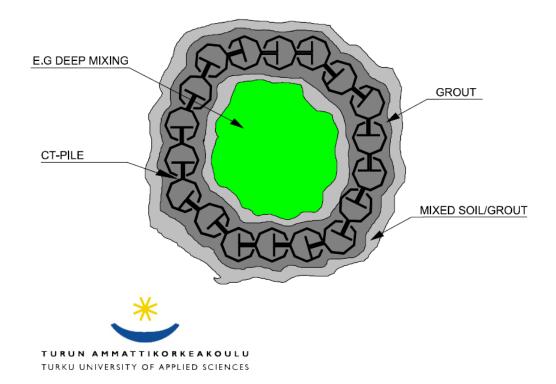


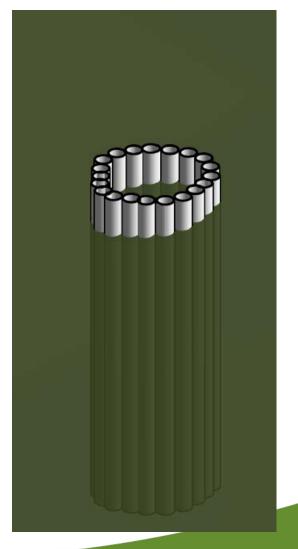




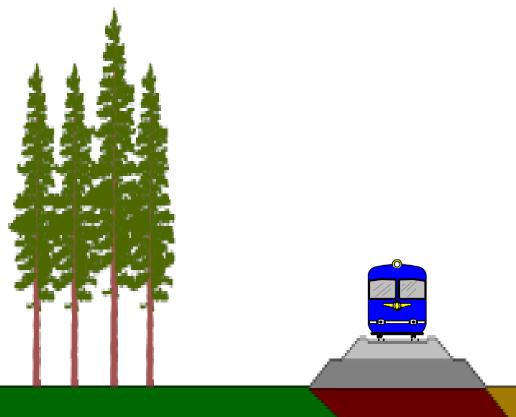


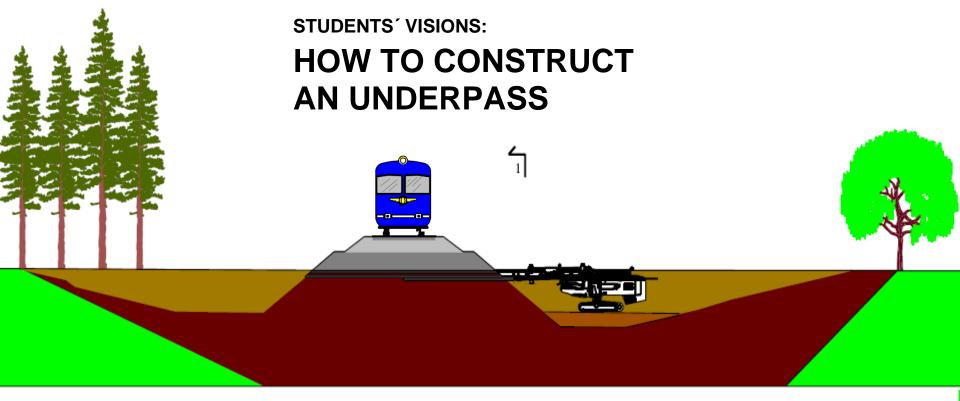






STUDENTS' VISIONS: HOW TO CONSTRUCT AN UNDERPASS

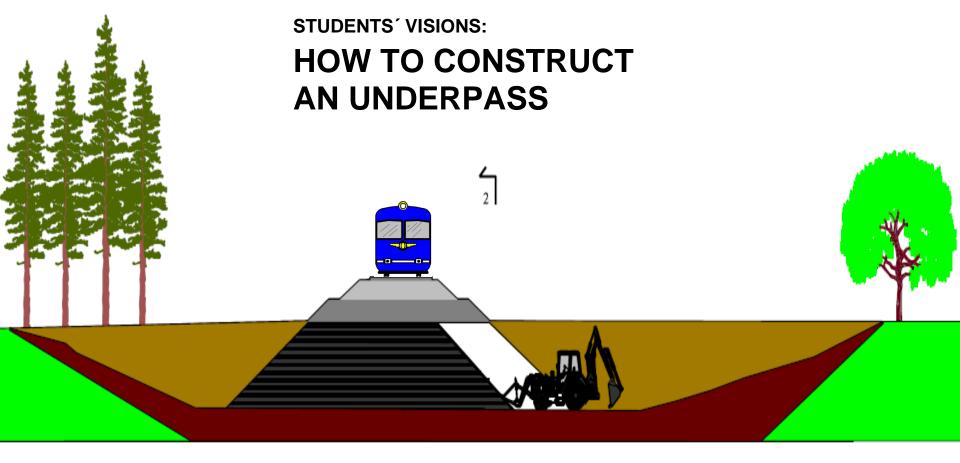




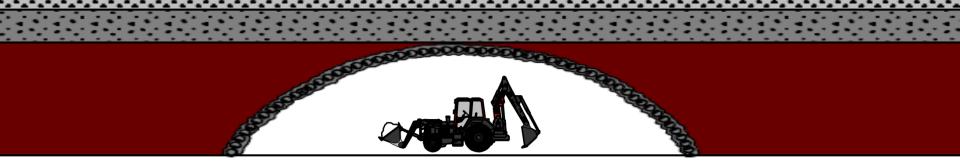
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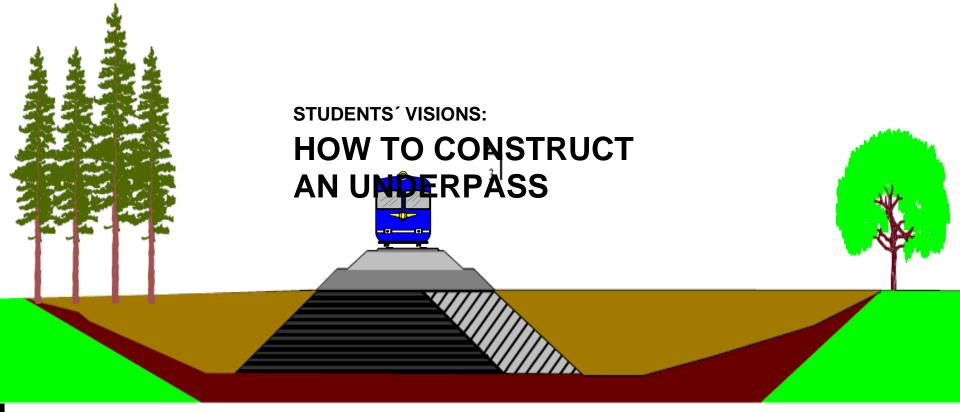
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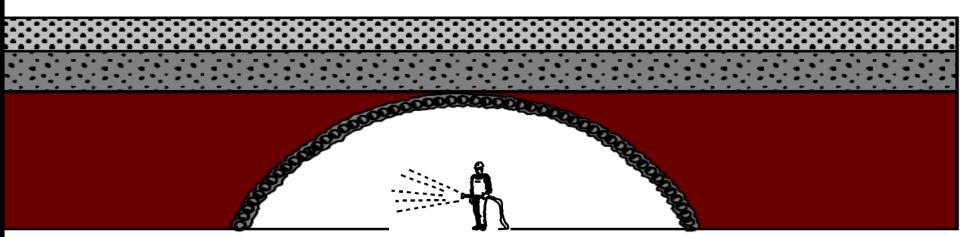


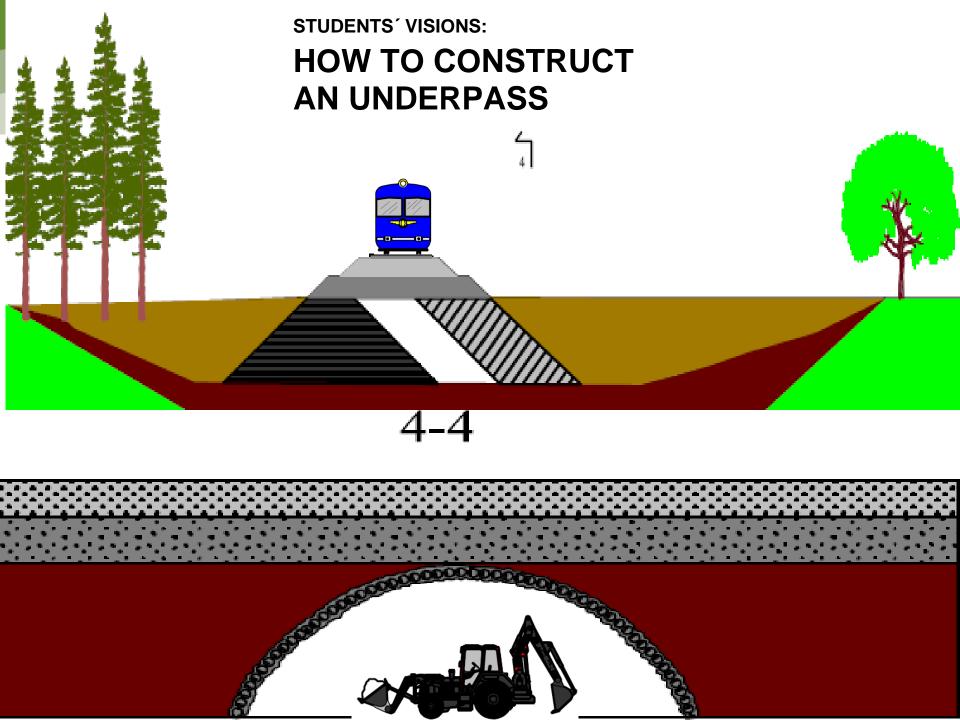


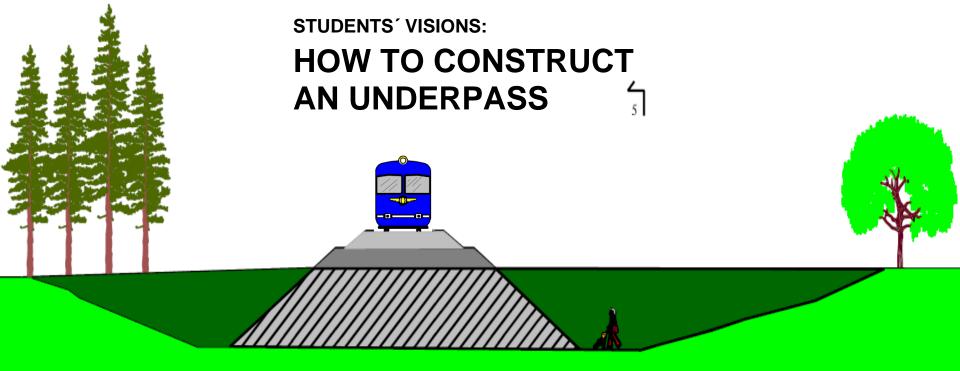




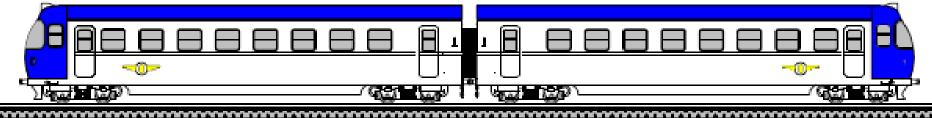
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5-5



 R&D of micropiles has offered an environment on innovation studies for tens of students at TUAS.

Especially new open section drilling method has challenged students to envision use of the CT micropile walls in unexpected applications.

In the production of innovations, learning and developing are often connected appearing as two aspects of the same concept. The student can learn several issues in the innovation process, covering, for example, tacit knowledge, networking and challenges to meet uncertainty.

