

Topic 1

A comparison of the performance of different types of embedded piezoelectric transducers for ultrasonic testing and monitoring of concrete







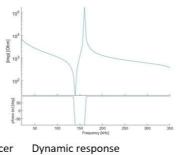
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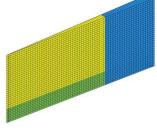
Topic 2

Design optimization of embedded piezoelectric transducers for ultrasonic monitoring of concrete infrastructure using dynamic coupled finite element models



Embedded piezoelectric transducer





Finite element model

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Topic 3

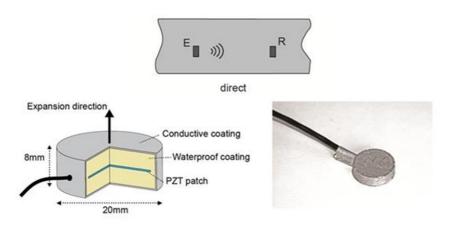
Real-time automated monitoring of concrete repairs in tunnels in Brussels using embedded ultrasonic transducers



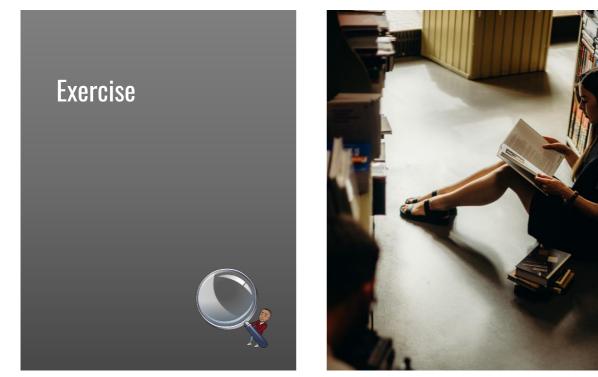
Installation of automated monitoring system in the Rogier tunnel in Brussels

Topic 4

Measurement of shear wave velocity in concrete using embedded piezoelectric transducers







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Literature search

- Form 4 groups, each working on 1 of the topics
- Find 3-4 articles relevant to the topic
- Extract the information which is most relevant for your topic



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