

Individual projects of Doctoral Candidates (DCs)

## PhD topics

PhD position 1

**Development of novel bio-metamaterial with optimized thermal and acoustic properties.**

PhD position 2

**Acoustic and Thermal Properties of Recycled Materials and Neomaterials**

PhD position 3

**Development of lightweight concrete using recycled bio-based aggregates**

PhD position 4

**Exploration of the use of biomaterials for heat storage and thermal comfort applications in buildings**

PhD position 5

**Sound insulation of building envelope components based on acoustic metamaterials**

PhD position 6

**Development of new method for remote acoustic measurements of large building envelope structures based on ETFE cushion system**

PhD position 7

**Towards net-zero carbon facades – the impact of bio-based materials for the system design of high performing envelopes**

PhD position 8

**Qualitative assessment of sound insulation of building envelopes**

PhD position 9

**Interaction and parameterization of thermal, energy and comfort variables in façade walls based on applicable International and European regulations**

PhD position 10

**Actual needs of façade construction design related to the Life Cycle Assessment, durability and social acceptability**