

## Research project and supervisor team

<b>Supervisory Team</b>	Dr <a href="#">Bo Li</a> Dr <a href="#">Jing Bie</a> Dr <a href="#">Fangying Wang</a>
<b>Short introduction &amp; description of research project</b>	<p>Utilising construction and demolition waste for the production of ultra-high-performance concrete</p> <p>The generation of a large quantity of construction and demolition waste (CDW) has posed a heavy burden on resource consumption and environmental protection. Simultaneously, producing ultra-high-performance concrete (UHPC) highly relies on natural minerals and causes high-energy consumption, which is not aligned with sustainable development in the construction industry. Therefore, this project is devoted to exploring the production of UHPC with CDW. The mechanical performance, durability, and sustainability of the newly developed UHPC will be evaluated, followed by microstructural analyses in terms of reaction products and pore structures. The outcomes of this research will provide new insights and technological methods for the production of UHPC with CDW, contributing to turning waste into value-added construction materials.</p>
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