

Sustainable Innovation 2019

Road to 2030: Sustainability, Business Models, Innovation and Design

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UCA Business School

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Lisbeth M. Ottosen is a professor at the Department of Civil Engineering, the Technical University of Denmark. She has an MSc in civil engineering (1991) and her PhD thesis (1995) was on electrokinetic soil remediation. Lisbeth is section leader for the Section for Construction materials and Durability (<http://www.byg.dtu.dk/english/research/Materials-and-Durability>) and leader of the research team Zerowaste Byg (<http://www.zerowaste.byg.dtu.dk/>), a team focusing on redesigning construction materials toward a zero waste society. Her professorship is on sustainable construction materials.

The major research areas are

- Use of secondary resources in construction materials, e.g. waste fishing net for fibre reinforcement of concrete, use of alternative ashes as cement replacement in concrete or as replacement of clay in ceramic bricks
- Electrochemical extraction (mining) of heavy metals and nutrients from particulate materials such as ashes and sediments
- Desalination of historic stone monuments for preservation of important heritage
- Lisbeth is author and co-author to more than 150 ISI indexed journal papers and has an H-index of 27 (Web of Science)