

Associate Prof. Anja Margrethe Bache

Section for Buildingdesign

"My research is synthesis of the disciplines architecture, technology and art, and between research and practice. I grow differences, gaps and limits as opportunities and places for investigation. I transform knowledge, creates syntheses, ask questions across disciplinary boundaries. Based on this I create structures and objects with new aesthetic and mechanical performance"



Professor Per Goltermann

Section for Structural Engineering

"Waste is the only renewable construction material. My research focus on demand driven designs for structural performance and service life. Examples are reduced use of reinforcement, alternative designs of structures and materials and fast track industrial implementation"



Researcher Pernille Erland Jensen

ARTEK, Section of Geotechnics and Geology

"Closing the material cycles is not an option but rather a prerequisite for our future society. Development of technologies for urban mining of scarce and valuable elements as well as research on upgrading and utilization of bulk secondary streams for applications in the construction sector is my main focus."



Researcher Gunvor M. Kirkelund

ARTEK, Section of Geotechnics and Geology

"Upgrading hazardous waste to secondary raw materials and characterization of the materials environmentally and mineralogically before use in the construction materials are my fields of research. For instance, we remove toxic heavy metals and chloride from MSWI APC residues by methods ensuring we keep the desired material characteristics."



Researcher Jakub Kolarik

Section for Indoor Climate

“Research on perceived indoor air quality and performance of both passive and active air cleaning technologies. My expertise includes also human thermal comfort, thermo active building systems for heating and cooling as well as impact of indoor environment on work productivity and well-being of building occupants”



Associated Professor Lisbeth M. Ottosen

Section for Construction Materials

“Urban mining from secondary resources and use of the mineral residues in construction materials are key words for my research. An example is recovery of phosphorous from sewage sludge ash and use of the treated ash in concrete.”



Associate Professor Ruut Peuhkuri

Section for Building Physics and Installations

“Designed materials based on re-used raw materials opens up to fascinating possibilities that can give us also better indoor climate and constructions with longer life-time. “ Expertise: Hygrothermal building physics, moisture dynamics and the interaction between indoor environment and materials, prediction of the risk for mould growth.



Professor Carsten Rode

Section for Building Physics and Services

“Overall expertise and interest is Building Physics, or specifically: Combined heat and moisture transport in building constructions. Moisture safe and mould free constructions. Building renovation. Buildings in the Arctic, and buildings exposed to a changing climate. Energy efficient buildings and communities. Sustainable construction – what is it?”



Associate Prof. Jacob Wittrup Schmidt

Section for Structural Engineering

“My involvement concerns testing of the interfacial and fracture mechanical properties of the new materials. Implementation of reinforcement such as fibres, FRPs (fibre reinforced polymers) and alloys in the new material will furthermore be addressed. In addition anchorage between the new material and reinforcement will be a main tasks to ensure full composite action”



Associate prof. Pawel Wargocki

Section for Indoor Climate

“Expertise: (1) Impact of exposures indoors, building material emissions and ventilation on health symptoms, sensory perception of indoor air quality and performance of work and learning; (2) Measurements in indoor environments; (3) Policy and regulations related to indoor environment”

