

## **6<sup>th</sup> ProBioRefine workshop**

### **International workshop on system analysis and technologies for biorefineries**

The Department of Chemical and Biochemical Engineering at DTU is the main organizer of the 6<sup>th</sup> ProBioRefine workshop. The workshop will be held at DTU Lyngby campus on 6<sup>th</sup> and 7<sup>th</sup> May 2021. The program of the workshop and sign up information for attendees will be published on the event website (<https://conferencemanager.events/ProBioRefine2021>).

#### **Moving bio-economy forward**

The ProBioRefine network was established in 2014 as a collaboration between DTU Chemical Engineering and the Korea Advanced Institute of Science and Technology (KAIST, Chemical & Biomolecular Engineering), with the objective to develop methods and tools to analyse and design innovative biorefinery networks based on chemical and biological processes to convert biomass feedstocks into valuable chemicals and biofuels. The boost in research and development around biorefineries is essential to our societies to facilitate the shift towards a bio-based and circular economy. The 6<sup>th</sup> ProBioRefine workshop will provide an opportunity for Danish and international attendees to present, discuss and exchange knowledge, ideas and tools for the design and simulation of sustainable bio-based production clusters.

#### **Topics, target audience and activities**

The main focus of the workshop will be on system analysis, but the supplementary sessions dedicated to biocatalysis and thermochemical conversion of biomass will provide valuable insights in the technological forefront for the transformation of bio-resources. The program of the workshop will be planned with traditional lectures followed by Q&A, but alternative networking and brainstorming activities will be included to encourage the exchange and active participation of the attendees. The event will target academic staff as well as organizations and companies operating in the field of biorefineries design, optimization and technological supply.

#### **Outcomes and future outlook**

The discussion will strengthen and enlarge the established international ProBioRefine network, offering new opportunities for research and development projects for bio-economy in Denmark and in the world.

The valuable inputs from participants will be summarized and published in a peer-reviewed publication focusing on the current status of biorefineries and their potential development in the coming decade. The publication will be coordinated by DTU Chemical Engineering and structured around the lectures and ideas generated throughout the event, inviting relevant attendees to contribute as co-authors.