

Advancing Life Cycle Engineering to meet United Nation's Sustainable Development Goals

An international conference "Advancing Life Cycle Engineering to meet United Nation's Sustainable Development Goals" are held 30 April to 2 May 2018 in Copenhagen (<http://www.lce2018.dk/>).

The Management Engineering institute at the Technical University of Denmark (DTU) is hosting the conference. The main theme is how engineers and other professionals from research institutes and industry and decision makers from the public and private sector can contribute to fulfill UN's 17 world goals for sustainable development. One of the ambitions are that the conference gives the Danish research environment, which is already strong within this field, a stronger position on the international scene and at the same time strengthening the Danish network.

The conference is anchored in the international Academy for Production Engineering, which is the world's leading scientific network for production technology. The academy is also called CIRP, an acronym which originates from the French name "Collège International pour la Recherche en Productique" when the academy was founded in 1951 in Paris. The Technical University of Denmark initiated and organized the first Life Cycle Engineering conference 1993. Life Cycle Engineering refers to engineering methods to design products and technical systems so that their sustainability is optimized throughout the entire life cycle, i.e. from cradle to grave and/or reuse. Since 1993, the conference is held annually all over the world and has grown to a strong and important conference. In order to mark the 25-year anniversary of the conference it returns to Denmark in 2018.

The conference program includes presentations from approx. 175 researchers from all over the world. All presentations are published as articles in the international scientific magazine *Procedia CIRP* published by the publishing company Elsevier. An international scientific committee evaluates all presentations. Selected speakers are invited from the world's leading technical university "Massachusetts Institute of Technology" in Boston, a managing director from a Californian consultancy company who has provided consultancy services to large American companies on sustainable business development and the Director of Sustainability from Danish Novozymes. The conference also has an interactive anniversary session, where all participants are encouraged to contribute with concrete suggestions for activities under the umbrella of UN's 17 world goals for a sustainable world looking towards 2030, the year set by UN for completion of the targets.

A clear vision for the three days in Copenhagen is to inspire international research in sustainable products and technical systems, and to generate ideas and targets for Life Cycle Engineering, which can support the achievement of UN's 17 world goals for sustainable development towards 2030.