

## 11<sup>th</sup> NanoTrust Conference – Advanced Materials and Circular Economy

**Date:** 30. October 2018, 9:00 – 17:45

**Location:** Institute of Technology Assessment,  
Apostelgasse 23, 1030 Vienna

**Content:** The main theme of this year's event is advanced materials and circular economy. We seek to further promote the contact between Austrian and Thai research institutions which was established within the framework of the Asian Nanoforum (ANF) and followed up by a visit of the ITA at KMUTT facilities in Bangkok in August 2017. The conference offers the opportunity to exchange the results of the scientific research on the subject of sustainable development of new technologies. We wish to discuss issues regarding innovation, safety and sustainability to identify common fields of interest for further joint activities, both scientific and educational in nature.

### Program:

08.30 – 09.00	Registration
09.00 – 10.00	Welcome and Introduction <i>A. Gázsó (ITA), L. Liu (NUS), G. Rose (ITA),</i>
<b>Advanced Materials</b>	
10.00 – 10.20	Advanced Eco Materials and Manufacturing for Sustainability <i>S. Chuangchote (KMUTT)</i>
10.20 – 10.40	Advanced materials, disruptive technologies and radical change in production processes <i>I. Gebeshuber (TU Vienna)</i>
10.40 – 11:00	Nanomaterials with special functions (quantum dots & bioimaging) <i>E. Ehmöser (BOKU Vienna)</i>
11.00 – 11.20	Sustainable Food Production & Processing and Education <i>S. Asavasanti (KMUTT)</i>
11.20 – 11.30	Questions
11.30 – 11.45	Coffee Break
<b>Eco-Waste &amp; LCA</b>	

11.45 – 12.05	Circular economy – a concept to tackle the issue of critical raw materials <i>A.Bartl (TU Vienna)</i>
12.05 – 12.25	Ecowaste <i>W.Songkasiri (KMUTT)</i>
12.25 – 12.45	Life Cycle Sustainability Assessment Lab (LCSAL) <i>K.Changwichan (KMUTT)</i>
12.45 – 13.05	Methods to assess environmental impacts of nanomaterials and other advanced materials in a life cycle perspective <i>F.Part (BOKU), M.Huber-Humer (BOKU Vienna)</i>
13.05 – 13.15	Questions
13.15 – 14.15	Lunch Break
<b>Circular Economy</b>	
14.15 – 14.35	Overview of KMUTT Circular Economy R&D&I <i>A.Siddique (KMUTT)</i>
14.35 – 14.55	New business models in circular economy <i>J.Kisser (Alchemia-Nova)</i>
14.55 – 15.15	Chances and limits of bio-based polymers as a part of bioeconomy <i>M. Sotoudeh (ITA)</i>
15.15 – 15.30	Coffee Break
15.30 – 15.50	Grown Biomaterials to Architectural Construction Industry (Eco Materials) <i>M.P.Tangtrongchit (KMUTT)</i>
15.50 – 16.10	Sustainable Supply Chain and Logistics Management <i>C.Khompatraporn (KMUTT)</i>
16.10 – 16.30	Bioeconomy <i>M.Raita (KMUTT)</i>
16.30 – 16.40	Questions
16.40 – 17.45	General Discussion

Please note the tight schedule and time your presentations accordingly (approx. 15 minutes presentation time with 5 minutes for questions). Our chair will assist with time-management and signal when your time is almost up.