



## Invitation to webinar

### “Use of hydrogen technologies in industrial processes”

**When:** 9th December 2020, from 9:00

**Where:** VŠB - Technical University of Ostrava, CPIT + CENET

**Form:** Online, via MS Teams (please see the [link](#)). For offline registration please send an application form to the e-mail [artem.chesalkin@vsb.cz](mailto:artem.chesalkin@vsb.cz), a link to MS Teams meeting will be sent to you immediately)

Lectures will be given by experts from technical universities from Denmark and Russia:

**9:15 - Introductory word**

**9:30 - 1st lecture:** “Review of Danish Energy/Hydrogen market and “Power to Liquid” projects. Energy storage in liquid synthetic fuels - “green” methanol production. (Danish experience with energy storage and “green” methanol production)”.

Speaker: Søren Knudsen Kær  
Professor  
Department of Energy Technology  
Aalborg University, Denmark

**10:00 - 2nd lecture:** “Computer simulation of the direct methanol production from H<sub>2</sub> and CO<sub>2</sub>.”

Speaker: Xiaoti Cui  
Assistant Professor  
Department of Energy Technology  
Aalborg University, Denmark

**10:30 - 3rd lecture:** Promising materials for hydrogen storage and principles of their design.

Speaker: Evgeny Prusov  
Vice head of Department of Functional and Constructional Materials Technology, Associate Professor CEO of Scientific and Technological Centre “Composit” LLC  
Department of Functional and Constructional Materials Technology  
Vladimir State University, Russian Federation

We look forward to seeing you!

The webinar will take place within the project LTI20004 - Environmental Research and Development Information Center and in the context of the project TK02010187 - Research of the potential use of hydrogen technologies for the transformation of the energy mix of the Moravian-Silesian region, low-carbon energy and development of low-emission transport.

