

The AIChE Netherlands / Belgium Section  
is pleased to invite you to attend the Lecture Dinner Meeting

## FAST PYROLYSIS BIO-OIL A NEW ROUTE TO PRODUCE BIO-BASED FUEL AND CHEMICALS

*by Mark Wanders and Goodarz Talebi - TechnipFMC*

**Tuesday, May 21, 2019 – Golden Tulip Zoetermeer**

### Program

17.30 – 18.00	:	Registration & Cocktails
18.00 – 19.00	:	Lecture
19.00	:	Dinner

### Summary

Fast Pyrolysis Bio-Oil (FPBO) is a dark brownish syrup which is produced by thermochemical decomposition of (nonfood) cellulosic biomass. It can be used as a sustainable alternative to fossil fuels to produce renewable energy, transportation fuels and chemicals. In this lecture an introduction will be given on Fast Pyrolysis Bio-Oil technology, production and applications.

TechnipFMC uses proven BTG-BTL Fast Pyrolysis Bio-Oil (FPBO) technology as a commercial attractive way to produce advanced (second generation) biofuels. Complete turnkey FPBO units, including engineering, procurement and construction (EPC), with core components of the plant based exclusively on BTG-BTL patented FPBO licensed technology are delivered.

AIChE NL/Belgium Section is sponsored by:

Experience in the design and commercial operation of one of the world's first FPBO production facilities (Empyro – Energy and Materials from Pyrolysis), resulted in a recent awarded EPC project.

TechnipFMC's Fluid Catalytic Cracking (FCC) technology is developed to enable co-processing FPBO to produce renewable, second generation biofuels. This approach will enable the refining industry to produce biofuels and high-value bio-based chemicals without changing the existing refinery infrastructure.

## Professional Background of the Speakers

Goodarz Talebi received his PhD degree in Chemical Engineering from Tehran Polytechnic University. He started his career with refinery and gas plant projects for 11 years, after that he joined TechnipFMC in 2011 as a Senior Process Engineer and worked on various Hydrogen and Renewables projects.

Mark Wanders received his Master of Science degree in Sustainable Energy Technologies (SET) from the University of Delft in the Netherlands. He joined TechnipFMC in 2013 as Process Engineer and worked on various Hydrogen and Renewables projects. Mark now works in the New Technologies department.

*AIChE NL/Belgium Section is sponsored by:*

## Registration Form

*Yes, I would like to attend the Lecture Dinner Meeting with the subject: "Fast Pyrolysis Bio-Oil – A New Route to Produce Bio-Based Fuel and Chemicals" on Tuesday, May 21<sup>st</sup>, 2019.*

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Job Title: \_\_\_\_\_

Email: \_\_\_\_\_

Diet: \_\_\_\_\_

### **Please send the invoice to:**

Company: \_\_\_\_\_

Attn.: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Reference: \_\_\_\_\_

### **Fees**

Participant: 80 euro

Sponsor: 50 euro

**Registration by mail:** [aiche@kborganisatietalent.nl](mailto:aiche@kborganisatietalent.nl)

*A week before the start of the Lecture Dinner Meeting you will receive a confirmation with practical information and your invoice. Free cancellation is possible, when in writing, 24 hours prior to the event.*

*AIChE NL/Belgium Section is sponsored by:*