



The Global Conference dedicated to
BIOECONOMY'S KEY ENABLING TECHNOLOGIES!

The international BIOKET Conference, which will take place on March 6-8, 2018 in Strasbourg, France and organized by IAR – The French Bioeconomy Cluster, aims to highlight bio-based process innovations from pilot to early commercial scale.

Biomass is a wonderful architecture to transform into chemical intermediates, biomaterials, food and feed ingredients and energy. There is a real challenge to adapt and optimize mechanical and physicochemical processes to the different type of biomass and notably to develop a cascade of technologies to fractionate, functionalize, concentrate and purify the different constituents in order to maximize the valorization of the heterogeneity of biomass for the different markets... Emerging and Key enabling technologies and intensified process will play a significant role in the cost effective biorefineries.

In the context of Industry 4.0, the circular economy and the need for an optimal valorization of renewable resources, BIOKET, the conference dedicated to bio-based solutions and processes, tackling technological, economic and environmental challenges of the Bioeconomy, will focus on innovation in processes for biomass conversion using emerging technologies, minimizing waste production and optimizing economics of the overall OPEX.

BIOKET's scientific committee invites authors to contribute with original papers covering the here below mentioned topics for presentation at the congress. Papers accepted for oral presentation will be given **20 minutes presentation time**.

BIOKET main's topic:

- Advanced and innovative biomass pretreatment – Physical and thermochemical pretreatment – Densification - Fractionation
- Technologies for biomass conversion and functionalization
- Extraction, separation and purification of biomass
- Process modelisation and analytical methods and tools - in situ characterization techniques
- Innovative tools: Enzymatic and metabolic engineering, synthetic biology and bionanotechnology
- Design of bioprocesses, advanced fermentation



The Global Conference dedicated to
BIOECONOMY'S KEY ENABLING TECHNOLOGIES!

Topics that are particularly targeted:

Biotechnologies

- IT, big data, informatics implementation for Biotech Processes
- Adaptation of fermentation processes to New Feedstocks (waste, gaseous etc..), culture media optimization
- Bioreactors of the Future
- Novel Downstream processes (membranes, distillation...)
- Synthetic biology improvements (high throughput screening, robust microbial strains construction)

Chemistry-Biochemistry

- Novel lignocellulosic biomass pretreatment/fractionation
- Valorization/extraction/processing of non-cellulose carbohydrate fractions of biomass
- New advances in production processes (continuous process, micro-reactors, In Lines monitoring...)
- Novel catalysis: enzymatic, chemical and hybrid
- Innovative tools: advanced combination of chemical and biochemical processes

Submissions:

- All submissions need to be sent to the following email address: deconinck@iar-pole.com
- Deadline is October 19, 2017
- Acceptable format for abstracts are Word or PDF with a preference for PDF and must be maximum 2 pages.
- The abstract should be max 500 words length (without tables, figures, equations or references)
- The abstract can include: process concept figure, TRL, pilots or demonstrators pictures (size), Comparative Table to Position the technology in front of other existing technology (advantages and disadvantages)
- The abstract should clearly indicate:
 - ✓ Presentation title
 - ✓ Company's name
 - ✓ Speaker's name and function
 - ✓ Short biography of the speaker



The Global Conference dedicated to
BIOECONOMY'S KEY ENABLING TECHNOLOGIES!

Criteria for the selection:

- TRL of the technology (4-8): minimum Pilot plant (close to the market), maximum 2 years of commercialization at exception of existing technologies newly applied to biomass
- Innovativeness of tools, processes and equipments
- Not academic or fundamental research focused
- Not serving as a pitch for a company to their customers
- Not a product presentation

Contact information:

De Coninck Johan
Business Development manager
Email: deconinck@iar-pole.com

Annabelle Heyvaert
Event Officer
Email: heyvaert@iar-pole.com