

CALL FOR PAPER

BIOKET2020

Lille (France), March 10th–12th, 2020

To be submitted by email

prior the 1st of June 2019, midnight CET to:

Johan DE CONINCK

Business Development manager

Email: deconinck@iar-pole.com

The second edition of BIOKET, the conference organized by IAR – The French Bioeconomy Cluster, will take place on March 10-11-12, 2020 in Lille, France and is looking for its next inspiring speakers!

The conference, which gathered 300+ international delegates for its first edition, aims to highlight bio-based process innovations from pilot to early commercial scale ([programme 2018](#))

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**.

By submitting a paper, you agree to make yourself available for a presentation anytime during the conference (from March 10th to March 12th, 2019).

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 technics
- Innovative tools: Enzymatic and metabolic engineering, synthetic biology and bionanotechnology
- Design of bioprocesses, advanced fermentation

Topics & technologies 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)
- Electrofermentation
- Bioinspired processes

Chemistry-Biochemistry

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

Submissions:

- All submissions need to be sent to the following email address: deconinck@iar-pole.com
- Deadline is **1st of June, 2019 midnight CET**
- 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 presented technology must open of right for licensing, contract or other partnership.
- The abstract should clearly indicate:
 - ✓ Presentation title
 - ✓ Company's name
 - ✓ Speaker's name and function
 - ✓ Short biography of the speaker

Criteria for the selection:

- TRL of the technology (3-9): 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

BIOKET

The global conference dedicated to
PROCESSES AND TECHNOLOGIES APPLIED TO BIOMASS

organized by



Additional information:

- Speakers will benefit from the exclusive price of 300€ excl VAT for their registration (full access the 3 days + networking dinner of the March 11th included)
- The final selection of the speakers will be held in September 2019

Contact information:

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BIOKET SPEAKING SLOT'S APPLICATION FORM

COMPANY:.....

CONTACT NAME:.....

CONTACT DETAILS

EMAIL:

PHONE: MOBILE:

ADDRESS:

.....

.....

JOB TITLE:.....

TOPIC IN WHICH YOUR PRESENTATION COULD BE LISTED (PLEASE TICK APPROPRIATE BOXES):

Area:

- Chemistry
- Biotechnology

TRL (Technology readiness Level) of the technology you want to present:

- | | |
|----------------------------|-----------------------------|
| <input type="checkbox"/> 1 | <input type="checkbox"/> 6 |
| <input type="checkbox"/> 2 | <input type="checkbox"/> 7 |
| <input type="checkbox"/> 3 | <input type="checkbox"/> 8 |
| <input type="checkbox"/> 4 | <input type="checkbox"/> 9 |
| <input type="checkbox"/> 5 | <input type="checkbox"/> 10 |

Field:

- | | |
|---|---|
| <input type="checkbox"/> Synthetic Biology | <input type="checkbox"/> Innovative Equipments |
| <input type="checkbox"/> Fermentation processes | <input type="checkbox"/> Innovative tools for production processes (analysis, monitoring, sampling) |
| <input type="checkbox"/> Pretreatment | <input type="checkbox"/> Others, please specify:
.....
..... |
| <input type="checkbox"/> Downstream processes | |
| <input type="checkbox"/> New full process of biomass transformation | |
| <input type="checkbox"/> Catalysis, biocatalysis, Hybrid catalysis | |

