

# II

# SYMPOSIUM

PROCESS INTENSIFICATION

**Challenges**

and **Opportunities**

TOWARDS SUSTAINABLE CHEMICAL PROCESSES  
IN THE XXI CENTURY

# PROGRAM

17 • 18 January 2023

**17**  
January

**18**  
January

## Inauguración

9:  
00

THE CHALLENGE AND OPPORTUNITY OF HYBRID  
REACTIVE-EXTRACTIVE DISTILLATION FOR SUSTAINABLE  
AZEOTROPIC SEPARATION

ZONG YANG KONG  
SWINBURNE UNIVERSITY OF TECHNOLOGY

SYNTHESIS AND OPERABILITY STRATEGIES FOR  
COMPUTER-AIDED MODULAR PROCESS INTENSIFICATION

YUHE TIAN  
WEST VIRGINIA UNIVERSITY

10:  
00

PROCESS SYSTEMS ENGINEERING FOR SUSTAINABLE  
CHEMICAL PROCESSES

GONZALO GUILLEN GONZALBEZ  
ETH ZURICH

PROCESS INTENSIFICATION USING PLASMA TECHNOLOGY

GEORGIOS STEFANIDIS  
NATIONAL TECHNICAL UNIVERSITY OF ATHENS

11:  
00

ENERGY EFFICIENT DISTILLATION WITH DIVIDING WALL COLUMNS

IVAR J. HALVORSEN  
NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

PROCESS INTENSIFICATION IN BIOBUTANOL PROCESSING

MARIANO PINTO  
UNIVERSIDAD ESTATAL DE CAMPINAS

12:  
00

SINGLE-ATOM CATALYSTS FOR A NEW GENERATION OF  
INDUSTRIAL CHEMICAL PROCESSES

GIANVITO VILÉ  
POLITECNICO DI MILANO

PROCESS INTENSIFICATION FOR THE CIRCULAR ECONOMY:  
VALORIZATION OF WASTE LIPIDS

ALVARO ORJUELA  
UNIVERSIDAD NACIONAL DE COLOMBIA-BOGOTÁ

13:  
00

PROCESS INTENSIFICATION FOR THE SUSTAINABLE MANAGEMENT  
OF RESOURCES AT MACROSCOPIC LEVEL

JOSE MARIA PONCE-ORTEGA  
UNIVERSIDAD MICHOACANA DE SAN NICOLAS DE HIDALGO

14:  
00

Clausura

UNIVERSIDAD DE  
GUANAJUATO



Chemical  
Engineering  
and  
Processing  
Process Intensification

