

# EFCE WORKING PARTY ON FLUID SEPARATIONS

## AGENDA OF THE 63<sup>rd</sup> TECHNICAL MEETING

### Dividing wall column symposium honoring Žarko Olujić

12<sup>th</sup> June 2023

#### 09:00 SESSION I

- 09:00** Opening of the Fluid Separations Working Party Meeting (Harry Kooijman, WP Chair)
- 09:15** Organization of the meeting and introduction to the University of Zagreb (Igor Dejanović)
- 09:30** Dr. Ž. Olujić (Retired (TU Delft), AIChE Fellow): Distillation equipment advances: The key to reducing process industry energy demand & carbon dioxide emissions – personal efforts and insights of an academician
- 10:15** Dr. R. Schultz (Julius Montz GmbH/Koch Engineered Solutions): Dividing Wall Columns - Novel Applications with Case Studies

#### 10:45 COFFEE BREAK

#### 11:00 SESSION II

- 11:00** Dr. Harry Kooijman (Shell Global Solutions): Optimization of DWCs in vacuum, atmospheric, extractive, and reactive distillation using CAPE-OPEN
- 11:30** Dr. G. Lukač (University of Zagreb): Dividing wall columns control challenges
- 12:00** Prof. Eva Sørensen (University College London): Optimal Design and Operation of Complex Distillation Processes

#### 12:30 LUNCH BREAK

#### 13:25 SESSION III

- 13:25** Prof. Richard Darton (University of Oxford): Comparing the packed bubble column and the trickle bed for CO<sub>2</sub> absorption in seawater
- 14:00** Prof. Rakesh Agrawal (Purdue University): Comparing Membrane and Distillation Separations for Energy Demand
- 14:35** Prof. Nenad Bolf (University of Zagreb): Process analytical technology for real-time crystallization control

#### 15:10 NEW MEMBERS/ CANDIDATE MEMBERS INTRODUCTION

- 15:10** Verena Wolf-Zöllner, Austria
- 15:25** Tapas Rajkhowa, Belgium
- 15:40** TBC, Denmark
- 15:55** Jani Kangas, Finland
- 15:55** SHORT BREAK

**16:05 BUSINESS MEETING**

**18:05** End of meeting

**19:30 DINNER**

**13<sup>th</sup> June 2023**

**Field trip – tentative shedule**

**08:00** Departure from the hotel

**09:30** Arrival to [Petrokemija Kutina](#) fertilizer plant

**10:00-12:00** Tour of the factory

**12:00** Lunch

**13:00** Departure

**14:30** Arrival at the airport

**15:30** Arrival to the Zagreb centre

## TRAVEL INFORMATION

### Recommended hotel:

[Hotel Dubrovnik](#)

Ulica Ljudevita Gaja 1

10000 Zagreb, Croatia



### Venue:

[Faculty of Chemical Engineering and Technology](#)

Savska cesta 16

Classroom S0 (ground floor, to the left)

10000 Zagreb, Croatia

[Recommended route](#) from hotel to the venue: Use tram lines **12, 13, 14** or **17** from the main city square (Trg Bana Josipa Jelačića, 100m from the hotel entrance), direction west. Get off the tram at the third station (**Vodnikova ulica**). From there, its a 200m walk to the Faculty building.

Alternatively, it is a 20 min walk from the hotel (1.5 km). Tram tickets are 0.50 EUR, single fare, when bought on kiosk in front of the station.