

NL GUTS (Dutch Group of Users of Technology for Separation)  
<http://www.processinnovation.nl>

NMG (Dutch Membrane Society):  
[www.nmq.nu](http://www.nmq.nu)

---

Joint seminar: NL GUTS / NMG  
Topic: Membrane Technology  
Date/time: Friday June 16<sup>th</sup>, 2023 / 9.30h - 18.00h  
Location: Eindhoven University, Helix Building, Room STC002  
Address: Het Kranenveld 14, 5612 AZ Eindhoven (see for route & map [TU/e Campus \(tue.nl\)](https://www.tue.nl))

Members of NLGUTS and NMG, please be invited for our 2023 membrane technology event. A limited number participants applies, we therefore request you to please register as soon as possible by clicking the following link : [NLGUTS-NMG EVENT 2023](#). In case the maximum number of attendants is reached you will be put on a reserve-list.

Program (Coffee and tea breaks are in between presentations):

**9.30 Registration**

10.00 Welcome: Fausto Gallucci (TUE), Wridzer Bakker / Jeffrey Felix / Yvonne van Delft (NLGUTS/NMG)

1. Morning Session Presentations:

- a. Fausto Gallucci – TUE : general introduction TUE IMMR
- b. Arash Rahimalimamaghani, TUE
  - i. Title: Carbon membranes for gas separation
- c. Albert Mestre Escoda - Intemic (Intelligent Chemistry SL)
  - i. Title: How AI / Digital Twins can be used to optimize membrane processes to improve product quality and enable predictive maintenance
- d. Rob de Lange, Pervatech
  - i. Title: Industrial Solvent Dehydration by Pervaporation – Case Experiences and Potential to follow

**12.30 – 13.30 Lunch**

1. Tour TUE (60 min)
2. NL GUTS specific topic(s) / NMG specific topic(s) (15min max)
3. Afternoon Session Presentations
  - a. Walter van de Koot – Filtration Group / Amafilter
    - i. Title: Adsorption in cake filtration combined with membrane processes
  - b. Cheng Liang – Proton Ventures
    - i. Title: Advanced Ammonia Synthesis System
  - c. Benny Bakker – DMT Environmental Technology
    - i. Title: 11 years of biogas upgrading with membranes
  - b. Valentina Cechetto, TUE
    - i. Title: Membrane Reactors for ammonia decomposition

17.00 Networking, drinks & snack

**Organizers:**  
Fausto Gallucci, TUE  
Yvonne van Delft, NMG  
Jeffrey Felix, NL GUTS & NMG