

Phase equilibria challenges for clean energy

Workshop on the occasion of the completion of the KLATHRON research project

Friday, December 6, 2024

Program

16:00 Catinca Secuianu, National University of Science and Technology POLITEHNICA of Bucharest, *Welcome and introduction*

16:15 Dan V. Nichita, Université de Pau et des Pays de l'Adour, France, *A new method for solving three-phase Rachford-Rice equations for carbon dioxide-water-hydrocarbons mixtures*, **invited talk**

16:45 Juan Diego Dos Santos Heringer, Université de Pau et des Pays de l'Adour, France, *A robust and efficient augmented free-water flash method for CO₂-water-hydrocarbon mixtures*

17:00 Adrian Victor Crişciu, National University of Science and Technology POLITEHNICA of Bucharest, *Clathrate hydrates: modelling challenges*

17:15 Sergiu Sima, National University of Science and Technology POLITEHNICA of Bucharest, *Clathrate hydrates: Phase equilibria experimental measurements*

17:30 Elena-Georgiana Ilie, National University of Science and Technology POLITEHNICA of Bucharest, *Clathrate hydrates: a new installation*

17:45 Catinca Secuianu, National University of Science and Technology POLITEHNICA of Bucharest, *KLATHRON – What have we learned?*

18:05 Virtual coffee break

18:15 Round table – discussions, messages to take to home, future collaborations.

19:00 Concluding remarks