

AGENDA OF
INTERNATIONAL CONFERENCE ON GREEN AND SUSTAINABLE CHEMICAL
ENGINEERING 2024 (GSCE 2024)
AND 30TH ANNIVERSARY OF THE DEPARTMENT OF OIL REFINING AND
PETROCHEMISTRY (1994-2024)

Time: from 8:00 am to 9:00 pm

Dates: October 3rd – 4th, 2024

Venue: Pho Yen meeting room, 3rd floor, C12 Building, Hanoi University of Mining Geology (HUMG), No. 18 Vien Street, Duc Thang Ward, Bac Tu Liem District, Hanoi, Vietnam

Thursday, October 3rd, 2024

Time	Conference program
8:00 – 8:30	Registration
8:30 – 8:45	Opening speech - Prof. Tran Thanh Hai, Rector of HUMG, Vietnam
8:45 – 9:15	Keynote speech 1 - Mr. Bui Ngoc Duong, General Manager of Binh Son Refining and Petrochemical Joint Stock Company, Vietnam: <i>"Green solutions to oil refining and petrochemical technologies"</i> Chairman: Prof. Roland Faller, Texas Tech University, United States Secretary: Dr. Ha-Son Ngo, HUMG, Vietnam
9:15 – 9:40	Presentation 1 - PhD. Pham Van Phong, General Manager of PV Gas, Vietnam: <i>"Transition to green hydrogen in Vietnam: PV Gas Role and Vision"</i> Chairman: Prof. Roland Faller, Texas Tech University, United States Secretary: Dr. Ha-Son Ngo, HUMG, Vietnam
9:40 – 10:05	Presentation 2 - Mr. Clement Ting, Haldor Topsoe Company, Denmark: <i>"Topsoe Decarbonization Technologies"</i> Chairman: Prof. Roland Faller, Texas Tech University, United States Secretary: Dr. Ha-Son Ngo, HUMG, Vietnam
10:20 – 10:25	Coffee break and poster session

<p>10h25 - 11h40</p>	<p>Session 1: Renewable energy and energy transition.</p> <p>Chairman: Prof. Tonya Kuhl, University of California Davis, United States</p> <p>Secretary: Dr. Vu Van Toan, HUMG, Vietnam</p> <p><i>10h25 – 10h50:</i></p> <p>Keynote speech 2 - Prof. Yulong Ding, University of Birmingham, United Kingdom: <i>“Energy storage for net-zero carbon energy transition – challenges and opportunities”</i></p> <p><i>10h50 – 11h15:</i></p> <p>Presentation 3 - Assoc. Prof. Pham Xuan Nui, Department of Oil Refining and Petrochemistry, HUMG, Vietnam: <i>“Efficient photocatalytic oxidative desulfurization of dibenzothiophene in fuel using green catalyst under visible light”</i></p> <p><i>11h15 – 11h40:</i></p> <p>Presentation 4 - Assoc. Prof. Nguyen Trung Dung, Le Quy Don Technical University, Vietnam: <i>“Heterogeneous catalysts based on layered double hydroxides: Synthesis and application in organic pollutant degradation”</i></p>
<p>11:45 – 13:30</p>	<p>Lunch party at HUMG restaurant</p>
<p>13:30 – 13:55</p>	<p>Presentation 5 - Mr. Pham Van Chat, Nghi Son Refinery and Petrochemical LLC, Vietnam: <i>“Solutions for CO₂ depression – toward net zero emissions scenario”</i></p> <p>Chairman: Prof. Jean Michel Herri, Mines Saint-Étienne, France</p> <p>Secretary: Dr. Pham Trung Kien, HUMG, Vietnam</p>
<p>13:55 – 14:20</p>	<p>Keynote speech 3 - Prof. Roland Faller, Texas Tech University, United States: <i>“Molecular simulations for modern energy applications”</i></p> <p>Chairman: Prof. Jean Michel Herri, Mines Saint-Étienne, France</p> <p>Secretary: Dr. Pham Trung Kien, HUMG, Vietnam</p>
<p>14:20 – 14:45</p>	<p>Presentation 6 - Assoc. Prof. Nguyen Tran Hung, Institute of Chemistry and Materials, Academy of Military Science and Technology, Vietnam: <i>“Nanostructured silicon and aluminum: Perspective materials for the high-performance anode of</i></p>

	<i>Lithium-ion batteries</i> Chairman: Prof. Jean Michel Herri, Mines Saint-Étienne, France Secretary: Dr. Pham Trung Kien, HUMG, Vietnam
14:45 – 15:10	Coffee break, poster session
15:10 – 16:25	Session 2: Green solutions and advanced materials. Chairman: Prof. Yulong Ding, University of Birmingham, United Kingdom Secretary: Dr. Ngo Thanh Hai, HUMG, Vietnam <i>15:10 – 15:35 :</i> Keynote speech 4 - Prof. Jean Michel Herri, Mines Saint-Étienne, France: <i>"Gas Hydrate crystallization under flowing conditions"</i> <i>15:35 – 16:00 :</i> Presentation 7 - Prof. Tonya Kuhl, University of California Davis, The United States: "Direct force of Cement Admixtures for Green Concrete" <i>16:00 – 16:25:</i> Presentation 7 - Assoc. Prof. Dinh Cao Thang, Queen's University, Canada: <i>"Sustainable fuels and chemicals from CO₂ and water"</i>
19h00 - 21h00	Gala dinner

Friday, October 4th, 2024	
Time	Anniversary program
8h00 - 8h40	Registration
8h40 - 9h00	Introduction, welcome performing arts, and opening speech
9h00 - 11h00	Anniversary ceremony
11h00 - 12h30	Lunch party at HUMG' restaurant
12h30 - 13h00	Closing