

# 16th **2024** SIMONE Congress

## **SIMONE Congress**

The SIMONE Congress stands at the forefront as the leading open forum for managers and technical specialists dealing with gas pipeline simulation and optimization. This distinguished event serves as the industry-leading gathering for the exchange of cutting-edge ideas, fostering discussions on innovative applications and advancements in the field of gas simulation.

Renowned for its excellence, the Congress distinguishes itself through the presentation of high-quality technical papers that provide a comprehensive overview of tasks and experiences related to gas pipeline simulation and optimization.

Organized by LIWACOM Informationstechnik GmbH in Essen and SIMONE Research Group s.r.o. in Prague, the SIMONE Congress is held every two years on a rotating basis in a different country.

## **The venue in the city of Vienna**

Vienna, Austria's charming capital, is a picturesque blend of culture and history. Renowned as one of Europe's most breathtaking cities, Vienna stands as the epitome of elegance, a haven for the arts, and the global pinnacle of livability.

Hotel Le Meridien, our congress venue in the heart of Vienna, offers a central hub amidst artistic treasures. Whether it's the splendid Ringstrasse, the serene Schillerplatz, or a sunlit courtyard, experience the essence of Vienna from this prime location.

## **Social Program**

The communicative atmosphere of the SIMONE Congress is traditionally enhanced by the social program.

The delegates are invited to choose between five different excursions:

- Old town walk "hidden courtyards"
- Stroll through the old town with a "Fiaker" – a horse drawn-carriage ride
- Town tour by bus
- Old town walk "Viennese coffee house culture"
- Old town walk "architecture"

Afterwards, we will meet for the congress dinner in one of the best typical Viennese Heuriger-wine tavern for a typical Austrian buffet, including vegetarian options.



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## **Organizers:**

LIWACOM Informationstechnik GmbH,  
Essen, Germany

SIMONE Research Group s.r.o.,  
Prague, Czech Republic

If you have any questions, please contact:

LIWACOM Informationstechnik GmbH  
Mr Martin Mans  
P.O. Box 10 24 15  
45024 Essen  
Germany

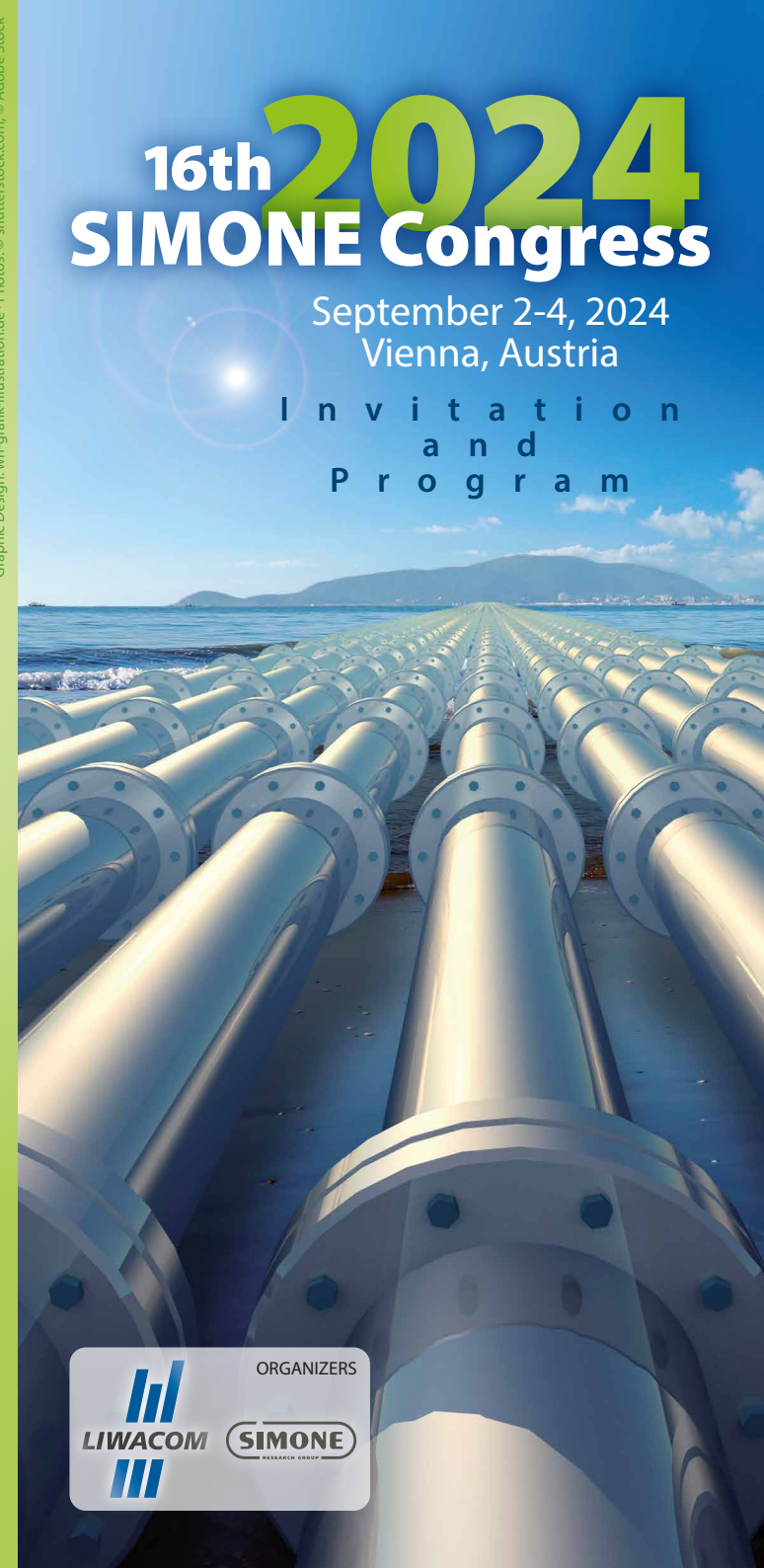
Phone: +49 (0)201 170 38 18  
Fax: +49 (0)201 170 38 30  
Email: [Martin.Mans@liwacom.de](mailto:Martin.Mans@liwacom.de)  
[www.liwacom.de](http://www.liwacom.de)

# 16th **2024** SIMONE Congress

September 2-4, 2024  
Vienna, Austria

I n v i t a t i o n  
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The SIMONE Congress 2024 will commence in the afternoon of Monday, 2<sup>nd</sup> September and end at noon on Wednesday, 4<sup>th</sup> September.

The congress language will be English.



## Congress Venue

Hotel Le Meridien  
Robert-Stolz-Platz 1  
1010 Vienna, Austria

## Registration commences 1<sup>st</sup> May

Registration is necessary to attend and the following fees apply:

Registration	until July 1 <sup>st</sup>	after July 1 <sup>st</sup>
Delegates:	€ 1200	€ 1350
Accompanying persons:	€ 200	€ 250

The delegate fee covers attendance at the technical presentations, coffee breaks, lunches and the social program. The accompanying persons fee covers only the social program.

You can register online on our website  
[www.simonecongress.com](http://www.simonecongress.com)

## Accommodation

The hotel accommodation is not included in the registration fee. Until 22.7.2024 a block of rooms is reserved for the SIMONE Congress, available on a first-come-first-served basis at the congress venue – Hotel Le Meridien. You can make your hotel reservation online at [www.simonecongress.com](http://www.simonecongress.com).

## CONGRESS PROGRAM

### Monday, 2<sup>nd</sup> September 2024

- 16:00 - 20:00 Registration
- 20:00 - 22:00 Welcome Reception

### Tuesday, 3<sup>rd</sup> September 2024

- 8:00 - 10:00 Registration
- 8:30 Opening Speech

### 9:00 - 14:00 Transformation of Transmission Networks

- ▶ Development of geo-referenced synthetic gas distribution networks employing data driven approaches  
*Abhilash Bandam, Juelich Research Center IEK-3, Germany*
- ▶ H<sub>2</sub> Roadmap for Austria – How does the future gas and hydrogen grid in Austria look like?  
*Vartan Awetisjan, AGGM, Austria*
- ▶ Coordinated development towards 2050 of the hydrogen and methane transmission networks in the Dutch energy system  
*Jarig J. Steringa, N.V. Nederlandse Gasunie, The Netherlands*

### 10:30 - 11:00 Coffeebreak

- ▶ Physical and Monetary Impacts of Hydrogen Transport in Existing Natural Gas Networks compared to Optimized Future Networks  
*René Volkmann, GASCADE, Germany*
- ▶ Combined Natural Gas-Hydrogen transmission simulation  
*Kelvin Yang, N.V. Nederlandse Gasunie, The Netherlands*
- ▶ CO<sub>2</sub> Transport Infrastructure – Feasibility study on a CO<sub>2</sub> collection and transport grid in Austria  
*Vartan Awetisjan, AGGM, Austria*

### 12:30 - 13:30 Lunch

- ▶ inGRID – Injecting Green Gas into the Grid  
*Mark Staples, AGGM, Austria*

### 14:00 - 16:00 Training

- ▶ A training system for gas dispatchers based on SIMONE in the online version  
*Maciek Szeniawski, GAZ-SYSTEM, Poland*

### 14:30 - 15:00 Coffeebreak

- ▶ Gas Network Operation Testing and Training System  
*Nuno Alves Rebelo, REN-Gasodutos, Portugal*
- ▶ Preparing Gas Dispatchers for Tomorrow: The Essential Role of SIMONE in Facilitating Hydrogen Integration  
*Torben Bramhoff, DUtrain, Germany*

### 16:30 - 23:00 SOCIAL PROGRAM

### Wednesday, 4<sup>th</sup> September 2024

### 8:30 - 12:00 Simulation

- ▶ Piston compressor model for the evacuation of gas from pipelines  
*Róbert Kristina, eustream, Slovakia*
- ▶ Calorific Values Tracking - Integration of an automated simulation process for determining the actual calorific value in gas grids using SIMONE software into AGGM's IT architecture  
*Alexander Reiningner, AGGM, Austria*

### 10:30 - 11:00 Coffeebreak

- ▶ Experiences with the new gas quality settlement process at FGSZ Zrt.  
*Balázs Rosta, FGSZ, Hungary*
- ▶ SINT: Simone Intelligent Network Tool  
*Adnan Fiaz, National Gas, United Kingdom*
- ▶ Solving scenarios using historical data  
*Sander Huitema, N.V. Nederlandse Gasunie, The Netherlands*

### 12:00 - 12:30 Roundup

- ▶ News of SIMONE  
*Stefan Bendel, LIWACOM, Germany*

12:00 Closing Address

12:30 Lunch