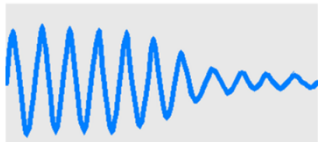
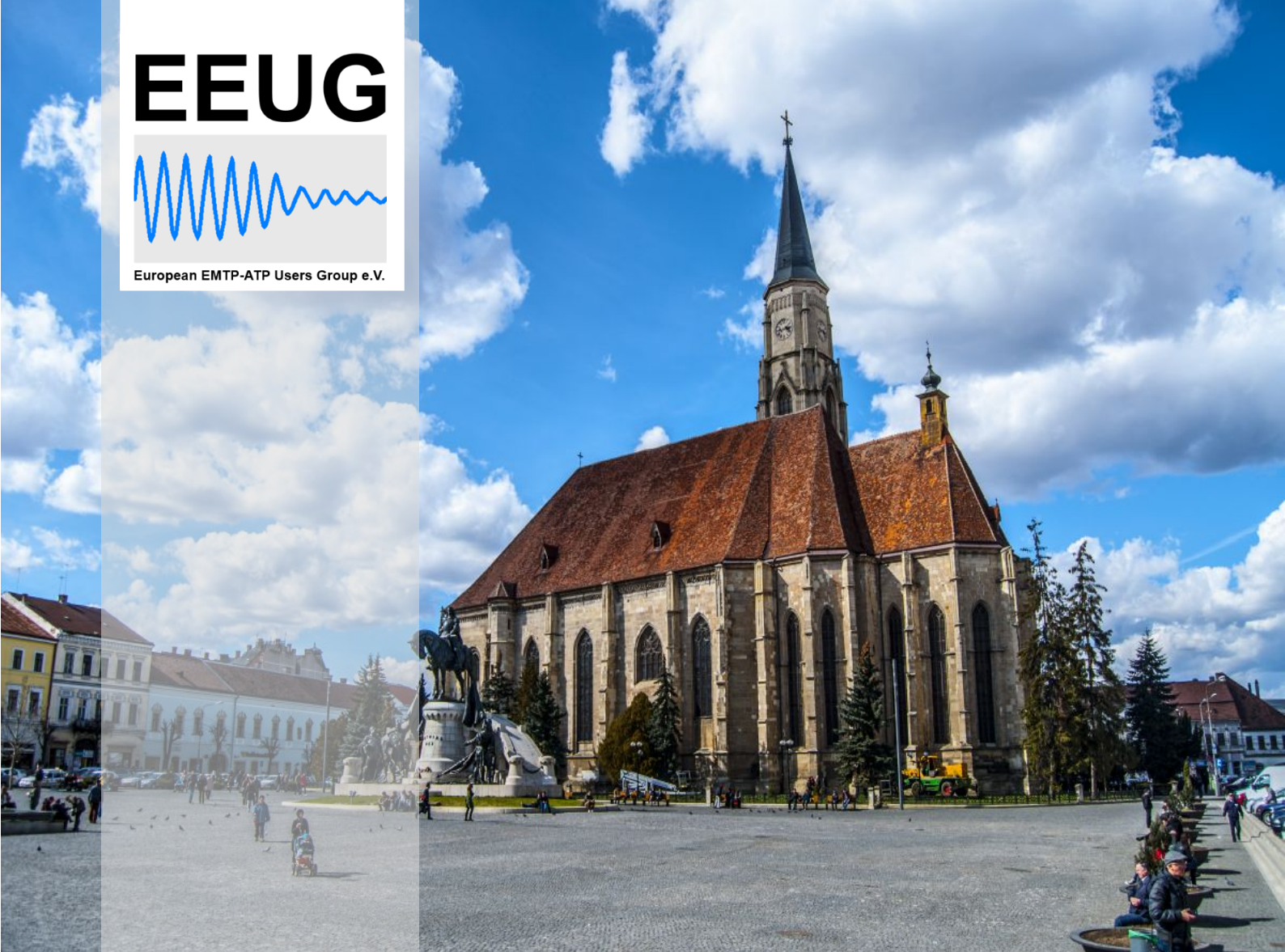


EEUG



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GOLDEN TULIP

European EMTP-ATP
Conference

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EEUG MEETING 2019

Hosted by Technical University of Cluj-Napoca
23rd, 24th and 25th September
Chairman: *Prof.Dr.Ing.* Dan D. MICU
Cluj-Napoca, Romania

Co-Organized by
European EMTP-ATP Users
Group Association EEUG e.V.



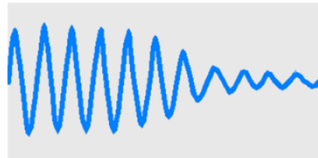
Laboratorul de Cercetare
în METODE NUMERICE
NUMERICAL METHODS
Research Laboratory

Technical University of Cluj-Napoca



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23rd ÷ 25th September
Prof.Dr.Ing. Dan D. MICU
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Program

Sunday, 22.09	19:00h – 21:00h	Welcome Meeting Golden Tulip Hotel
Monday, 23.09	08:30h – 12:30h	Registration
	09:00h – 10:00h	Opening, Session I
	10:00h – 10:30h	Coffee Break
	10:30h – 12:30h	Technical Session II
	12:30h – 13:30h	Lunch
	13:30h – 15:00h	Technical Session III
	16:00h – 18:30h	City Historical Tour
	19:00h – 23:00h	Gala Dinner
Tuesday, 24.09	09:00h – 11:00h	Technical Session IV
	11:00h – 11:30h	Coffee Break
	11:30h – 13:00h	Technical Session V
	13:00h – 14:00h	Lunch
	14:00h – 15:00h	EEUG Members Meeting I
	15:00h – 15:30h	Coffee Break
	15:40h – 17:00h	EEUG Members Meeting II
Wednesday, 25.09	09:00h – 10:30h	Training Course Part I
	10:30h – 11:00h	Coffee Break
	11:00h – 12:30h	Training Course Part II
	12:30h – 13:30h	Lunch
	13:30h – 15:00h	Training Course Part III
	15:00h – 15:30h	Coffee Break
	15:30h – 17:00h	Training Course Part IV

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EEUG MEETING 2019
23rd – 25th September, Cluj-Napoca, Romania

Monday	09:00h – 09:30h	Openings, ATPDraw
	09:30h – 10:00h	<u>Technical Session I</u> Models Editor in ATPDraw 7.0 – Voltage Source Inverter Control Hans Kr. Høidalen
	10:00h – 10:30h	Coffee Break
	10:30h – 12:30h	<u>Technical Session II</u> Using MATLAB controller as MODELS foreign Models in ATP-EMTP Harald Wehrend; Dennis Stolz A Preventive Analysis of Ferroresonance in Electric Distribution Networks Nabucodonosor Solís-Ramos; Alfonso Jara-Morales; Claudio Ruben Fuerte-Esquivel Ferroresonance Oscillations Excited via Capacitive Coupling of Overhead Power Line Systems Gunter Lichtenberger; Thomas Hunger
	12:30h – 13:30h	Lunch
	13:30h – 15:00h	<u>Technical Session III</u> Frequency-Dependent Equivalent Circuit of Grounding Grids for Electro-Magnetic Transient Simulations Alessandro Manunza Transients Phenomenon Handling in the Electric Vehicle Charging Stations Mariusz Stosur; Kacper Sowa; Pawel Blaszczyk; Cristoforo La Rosa; Stefano Grotti; Maciej Kuniewski Circuit Breaker TRV Issues in Series Reactor Applications: A Study Case for the Dutch 110 kV Transmission Grid Konstantinos Velitsikakis; Imre Tannemaat; Jeroen van Waes
	16:00h – 18:30h	Historical Tour of Cluj-Napoca – The National Ethnographic Park “Romulus Vuia”
	19:00h – 23:30h	Conference Gala Dinner at WONDERLAND

EEUG MEETING 2019
23rd – 25th September, Cluj-Napoca, Romania

Tuesday	09:00h – 11:00h	<u>Technical Session IV</u> Analysis of the Magnetic Field and Coupling Effects of a 380kV-System within a Tunnel with a Parallel LVAC-System Nils Pfeifer; Simon Papenheim; Pawel Malicki; Mustafa Kizilcay Induced Voltages in Metallic Pipelines: Lightning Strikes to nearby Power Lines Levente Czumbil; Dan Doru Micu; Denisa Şteţ; Hassan Nouri; Alexandru Mureşan Energy Evaluation of Externally Gapped Line Arresters due to Direct Lightning Strikes on 400 kV Overhead Transmission Lines Using ATP/EMTP Konstantinos Velitsikakis; Christian Engelbrecht Lightning Overvoltage Analysis of a mixed HVDC Transmission Line with Consideration of Grounding System and Different Sheath-Bonding Types Simon Papenheim; Pawel Malicki; Nils Pfeifer; Mustafa Kizilcay
	11:00h – 11:30h	Coffee Break
	11:30h – 13:00h	<u>Technical Session V</u> Modern Method of Fault Locator for MV AC Feeder Lines Based on Faulted Signal Inversion Michał Smolana; Arkadiusz Burek; Przemysław Balcerek DFIG simplified model in ATP for TOV and Slow Front overvoltage studies in Single Line to Ground Faults Eduardo Díaz Díaz; Miguel Martínez Lozano; Elio Ruy Teixeira Rey; Ganimedes Fernández Quiroga PV Power Plant Transformer Energization under Distorted Voltage Supply Bojana Škrbić; Mileta Žarković; Zlatan Stojković
	13:00h – 14:00h	Lunch
	14:00h – 15:00h	EEUG Members Meeting I
	15:00h – 15:30h	Coffee Break
	15:30h – 17:00h	EEUG Members Meeting II

EEUG MEETING 2019

23rd – 25th September, Cluj-Napoca, Romania

Wednesday	09:00h – 10:30h	Training Session I
	10:30h – 11:00h	Coffee Break
	11:00h – 12:30h	Training Session II
	12:30h – 13:30h	Lunch
	13:30h – 15:00h	Training Session III
	15:00h – 15:30h	Coffee Break
	15:30h – 17:00h	Training Session IV



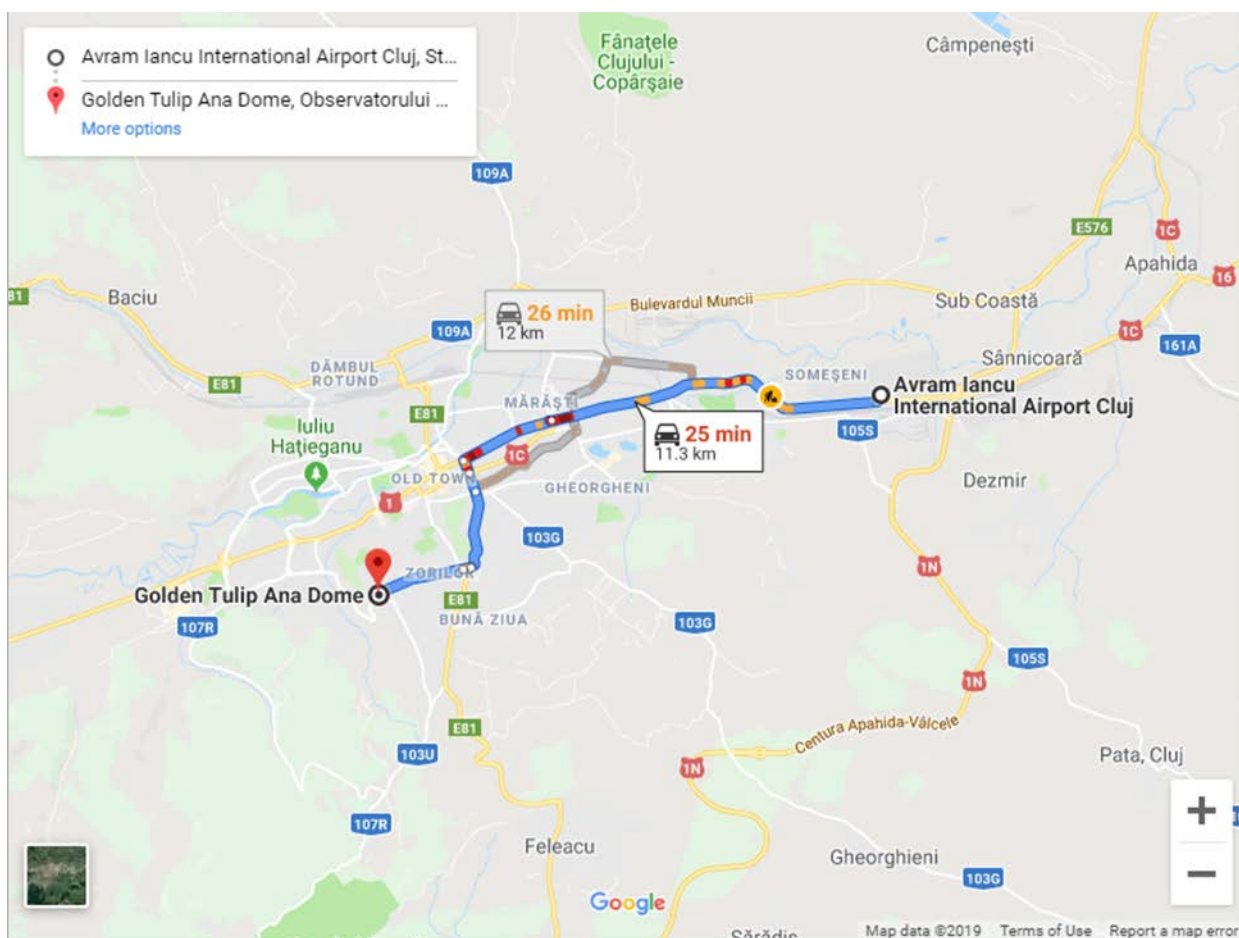
EEUG MEETING 2019

23rd – 25th September, Cluj-Napoca, Romania

EEUG 2019 Meeting Useful Information

The EEUG2019 Meeting (22nd to 24th of September) will be held at **GOLDEN TULIP ANA DOME HOTEL** (<https://ana-dome.goldentulip.com/>), 129 Observatorului Street, Cluj-Napoca, 400352, located at 4.8 km to the City Center. Phone: +40 264 545000

You can reach the distance between the “Avram Iancu” International Aeroport to the Golden Tulip Ana Dome Hotel by taxi.



Taxi in Cluj-Napoca

For calling a taxi in Cluj-Napoca, you may use one of these numbers, but there are others to be found on the web, also.

+40-264-946 Diesel Taxi

+40-264-947 Daniel Taxi

+40-264-943 Clima Taxi

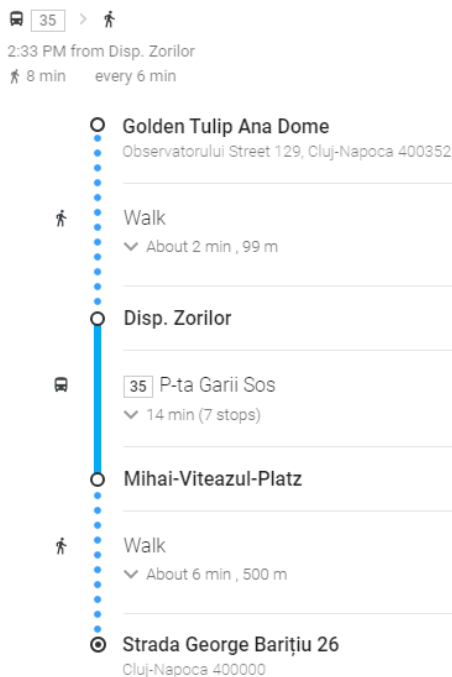
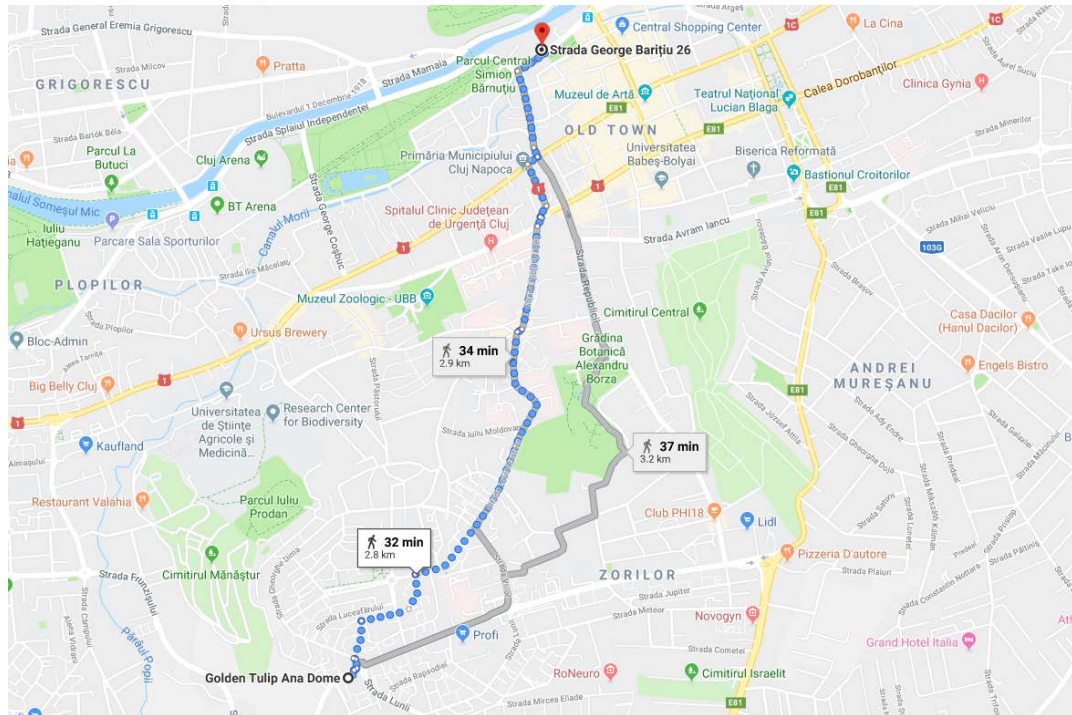
Also you may use the application Clever Taxi from your phone, it is available on AppStore or Google Play.

EEUG MEETING 2019

23rd – 25th September, Cluj-Napoca, Romania

The EEUG 2019 – Training Courses (25th of September) will be held at **Technical University of Cluj-Napoca, Faculty of Electrical Engineering**, 26-28 George Baritiu Street, Cluj-Napoca, 400027, Cluj-Napoca.

You can walk from the Golden Tulip Ana Dome Hotel to the Faculty of Electrical Engineering (26-28 George Baritiu Street) and it takes about 35 minutes.



Tickets and information
Compania de Transport Public S.A. Cluj-Napoca - 0264 430 917

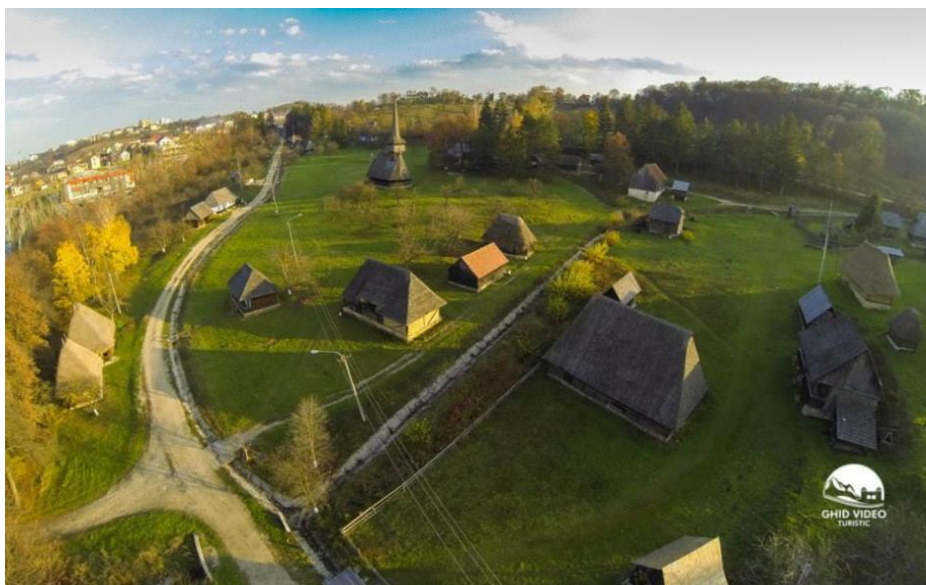
You can also reach the distance from the Golden Tulip Ana Dome Hotel to the Faculty of Electrical Engineering by taxi or using the Local Public Transport.

Tickets can be bought by sending a SMS to 7479 with the number of the bus line – 35, or from the vending machines, located in almost every bus-stop.

EEUG MEETING 2019

23rd – 25th September, Cluj-Napoca, Romania

City Historical Tour - The National Ethnographic Park “Romulus Vuia”



The National Ethnographic Park “Romulus Vuia” in Cluj-Napoca, the first open-air museum in Romania, was founded on the 1st of June 1929, as a section of the Ardeal Museum of Ethnography, through the decision of the Cults and Arts Ministry. Between 2006 and

2008, the museum was the beneficiary of a PHARE project within an extension of an administrative building was made in a traditional style and techniques.

<https://www.muzeul-etnografic.ro/en/parcul-etnografic-national-romulus-vuia>

Conference GALA DINNER



The Conference Gala Dinner will be held at **Wonderland Resort**.

EEUG MEETING 2019
23rd – 25th September, Cluj-Napoca, Romania

List of Participants



Aykut Agdemir
ENERCON PLM GmbH
Germany



Levente Czumbil
Technical University
of Cluj-Napoca
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Garret Dakin
Schneider Electric
France



Sven Daniel
DNV GL
Germany



Penkov Delcho
Schneider Electric
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Eduardo Diaz Diaz
Energy to Quality SL
Spain



Italo R. Flores Zambrano
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Forooz Ghassemi
National Grid
UK



Priyanka Gugale
ABB Switzerland Ltd
Switzerland



Jerome Guillet
Schneider Electric
France



Hans Kr. Høidalen
Norwegian University of
Science and Technology
Norway



Thomas Hunger
Hochschule Mannheim
Germany

EEUG MEETING 2019
23rd – 25th September, Cluj-Napoca, Romania

List of Participants



Mustafa Kizilkay
University of Siegen
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Goran Lepović
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Gunter Lichtenberger
DNV GL Dresden
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Mrvić Jovan
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Alexandru Mureșan
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Simon Papenheim
University of Siegen
Germany



Nils Pfeifer
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Dejan Potkrajac
Amprion GmbH
Germany



Gary Preston
WSP Global
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EEUG MEETING 2019
23rd – 25th September, Cluj-Napoca, Romania

List of Participants



Bojana Škrbić
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Michał Smolana
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Comision Federal de
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Mexico



Mariusz Stosur
ABB Corporate Research
Centre
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Konstantinos Velitsikakis
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Harald Wehrend
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Science, Kiel
Germany