

Whova Guided tour

Welcome to EPE ' 20 ECCE Europe and the Whova Platform!

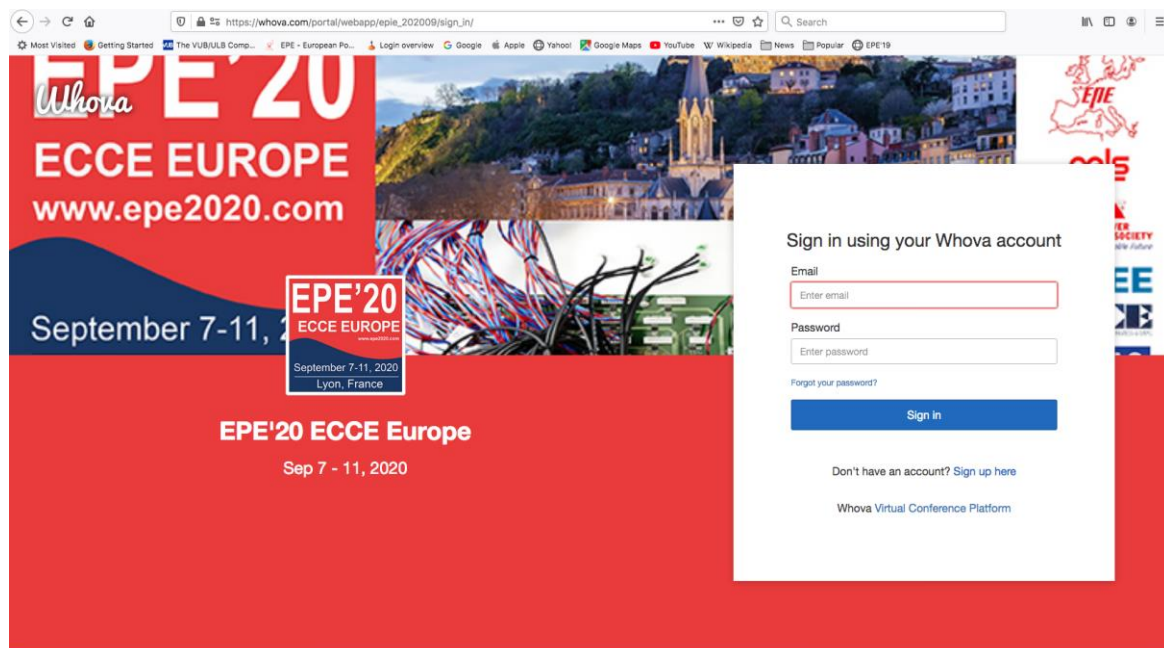
In order to guarantee you the best browsing experience, the application has been specially developed for tablets and mobiles.

Do not deprive yourself of exclusive options to these media! Some features are only available in the App.

Install the app Whova.

Please Sign in or Sign up if this is your first visit. To sign up, please make sure you use the e-mail address you used when you registered for the EPE '20 ECCE Europe Conference. You need to create a new password.

https://whova.com/portal/webapp/epie_202009/sign_in/





This is the home page. The menu on the left will give you access to most features of the platform.

MAIN NAVIGATION

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RESOURCES

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EPE'20 ECCE EUROPE
Sep 7 - 11, 2020
Lyon, France

The Power Electronics community will gather from 7 to 11 September 2020, to exchange views on research progresses and technological developments in the various topics described here.

On Monday 7 September a number of tutorials will be organised and several technical visits are planned on Friday 11 September.

The 22nd Conference on Power Electronics and Applications (and Exhibition), EPE'20 ECCE (Energy Conversion Congress and Expo) Europe is co-sponsored by the EPE Association and IEEE PELS with a specific technical sponsorship of IFAC.

Views of the presentations and Q&A Zoom sessions will be displayed 20 minutes before the scheduled time.

This event is also available on the Whova Mobile App: [Download Link](#).
You can interact with others on your phone in the app more conveniently wherever you go.

Sponsors

- General Electric
- Rohde & Schwarz
- RTE International
- Typhoon HIL Inc.

Click on the Agenda icon to enter the technical agenda of the conference, select your day,

Full Agenda

My Agenda

Tue Sep 8

7:00 AM

Let's connect
7:00 AM - 8:30 AM
[View Session](#) [Add to My Agenda](#)

8:30 AM

Primary
Opening session
8:30 AM - 9:00 AM
Channel 1
Speakers: Abdokrim BENCHAB

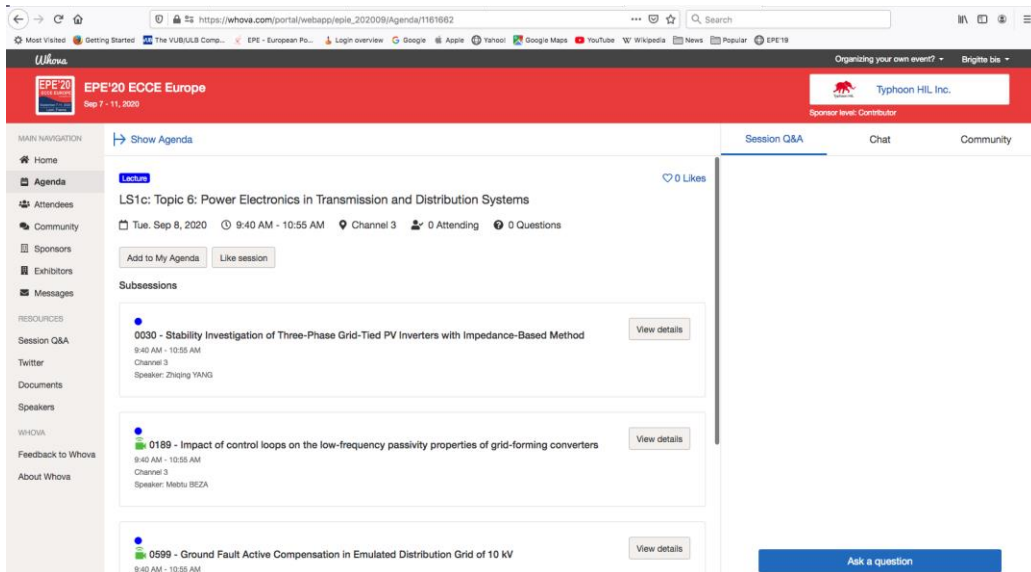
[View Session](#) [Add to My Agenda](#)

9:00 AM

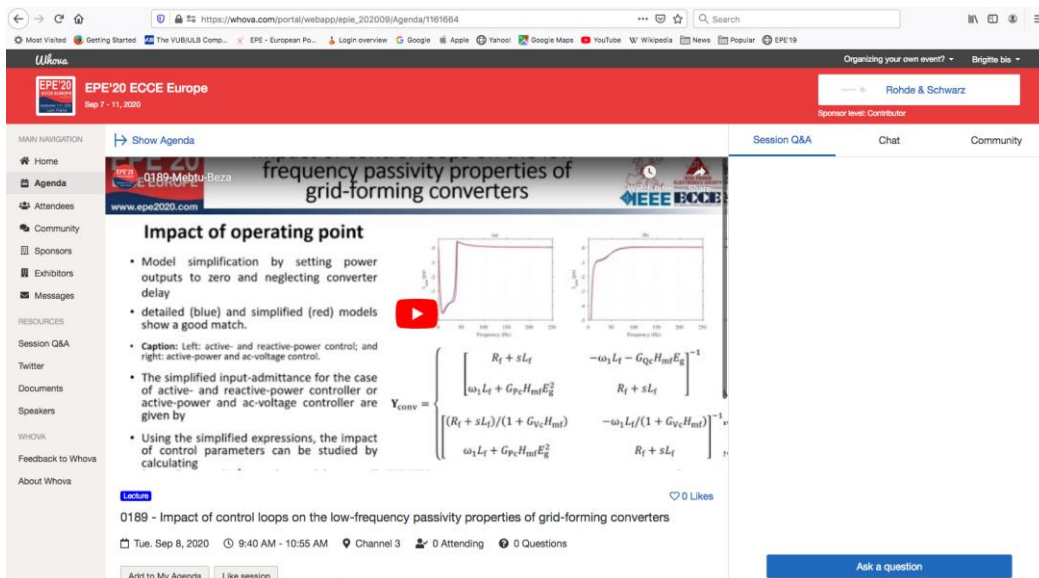
Primary
Keynote 1
9:00 AM - 9:30 AM
Channel 1
Speakers: Jean-Luc THOMAS

[View Session](#) [Add to My Agenda](#)

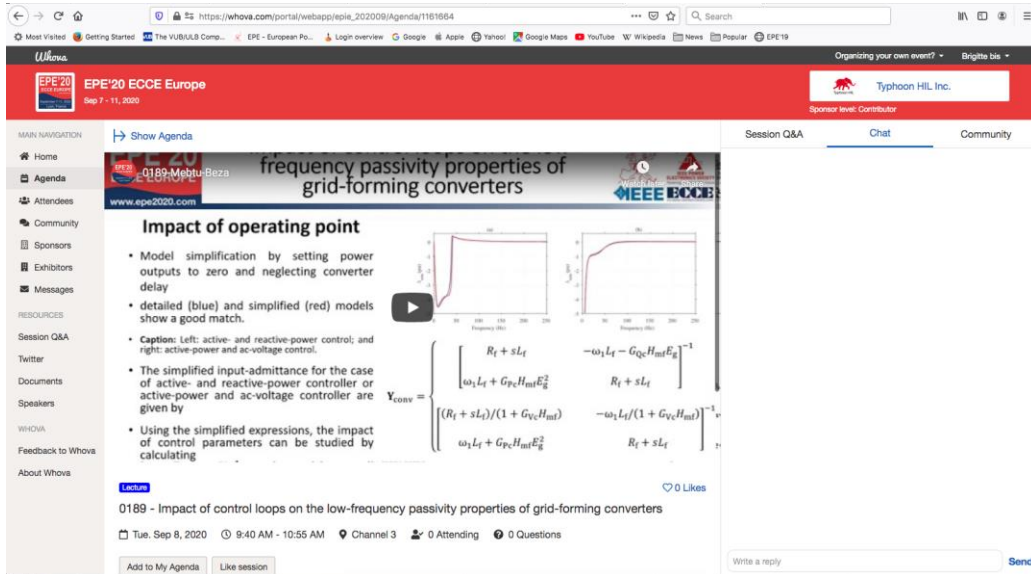
Select your favorite sessions and build your own agenda



Watch the pre-recorded video's and ask any question you have in mind



Start or participate in the chat around the topics discussed in the paper



The screenshot shows the Whova agenda page for EPE'20 ECCE Europe. The session titled "Impact of operating point" is highlighted. It includes a video player and the following text:

Impact of operating point

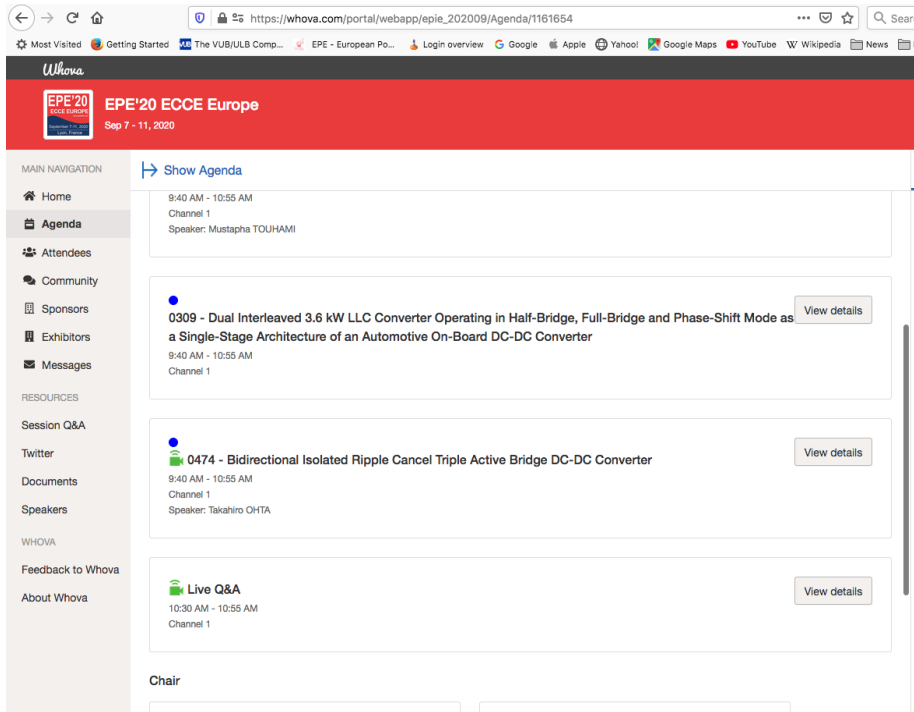
- Model simplification by setting power outputs to zero and neglecting converter delay
- detailed (blue) and simplified (red) models show a good match.
- Caption: Left: active- and reactive-power control; and right: active-power and ac-voltage control.
- The simplified input-admittance for the case of active- and reactive-power controller or active-power and ac-voltage controller are given by
- Using the simplified expressions, the impact of control parameters can be studied by calculating

$$\mathbf{V}_{\text{conv}} = \begin{bmatrix} R_t + sL_t & -\omega_t L_t - G_{\text{vc}} H_{\text{mt}} E_g^{-1} \\ \omega_t L_t + G_{\text{pc}} H_{\text{mt}} E_g^2 & R_t + sL_t \end{bmatrix}^{-1} \begin{bmatrix} (R_t + sL_t)/(1 + G_{\text{vc}} H_{\text{mt}}) & -\omega_t L_t/(1 + G_{\text{vc}} H_{\text{mt}})^{-1} \\ \omega_t L_t + G_{\text{pc}} H_{\text{mt}} E_g^2 & R_t + sL_t \end{bmatrix}$$

0189 - Impact of control loops on the low-frequency passivity properties of grid-forming converters

Tue, Sep 8, 2020 9:40 AM - 10:55 AM Channel 3 0 Attending 0 Questions

Attend the live Q&A. Check the schedule!



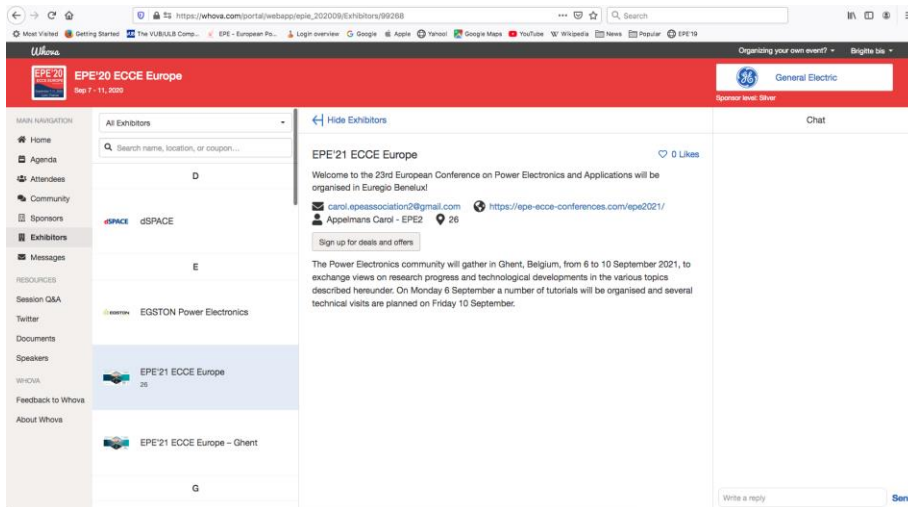
The screenshot shows the Whova agenda page for EPE'20 ECCE Europe. The sessions listed are:

- 9:40 AM - 10:55 AM Channel 1 Speaker: Mustapha TOUHAMI
- 0309 - Dual Interleaved 3.6 kW LLC Converter Operating in Half-Bridge, Full-Bridge and Phase-Shift Mode as a Single-Stage Architecture of an Automotive On-Board DC-DC Converter 9:40 AM - 10:55 AM Channel 1 View details
- 0474 - Bidirectional Isolated Ripple Cancel Triple Active Bridge DC-DC Converter 9:40 AM - 10:55 AM Channel 1 Speaker: Takahiro OHTA View details
- Live Q&A 10:30 AM - 10:55 AM Channel 1 View details

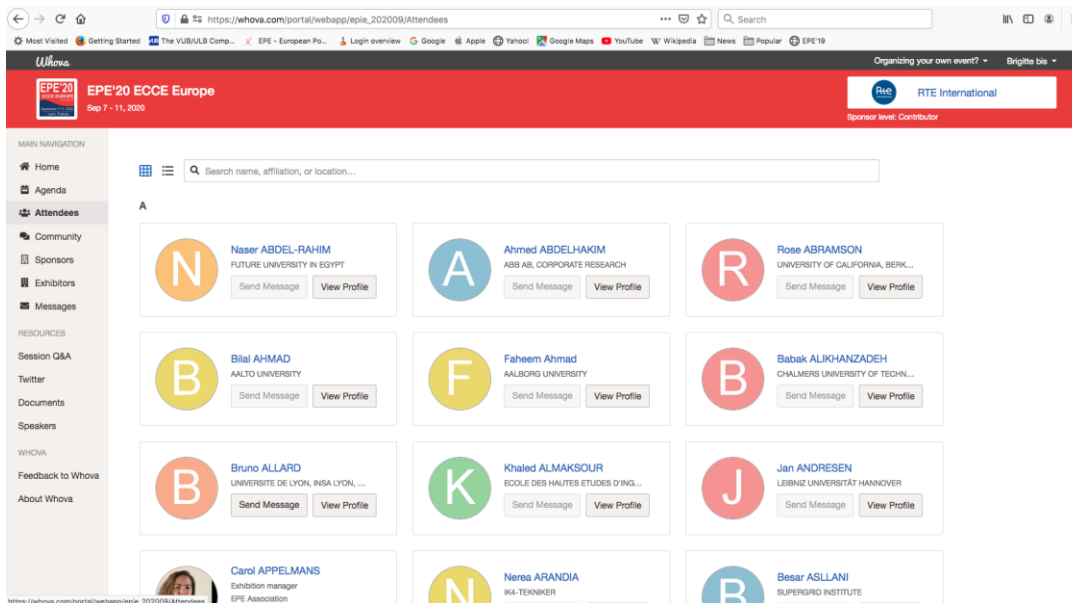
Chair



Visit the exhibition



Meet fellow attendees. Search them by name and make new contacts



Meet the speakers

Letter	Name	Affiliation
N	Naser ABDEL-RAHIM	FUTURE UNIVERSITY IN EGYPT
A	Ahmed ABDELHAKIM	ABB AB, CORPORATE RESEARCH
R	Rose ABRAMSON	UNIVERSITY OF CALIFORNIA, BERKELEY
F	Faheem AHMAD	AALBORG UNIVERSITY
B	Blial AHMAD	AALTO UNIVERSITY
B	Babak ALIKHANZADEH	CHALMERS UNIVERSITY OF TECHNOLOGY
B	Bruno ALLARD	UNIVERSITE DE LYON, INSA LYON, AMPERE
K	Khaled ALMAKSOUR	ECOLE DES HAUTES ETUDES D'INGENIEUR
J	Jan ANDRESEN	LEIBNIZ UNIVERSITAT HANNOVER
N	Nerea ARANDIA	IK4-TEKNERA
B	Besar ASLLANI	SUPERGRID INSTITUTE

To communicate with them, it is better to use the APP

Carol APPELMANS
Exhibition manager
EPE Association

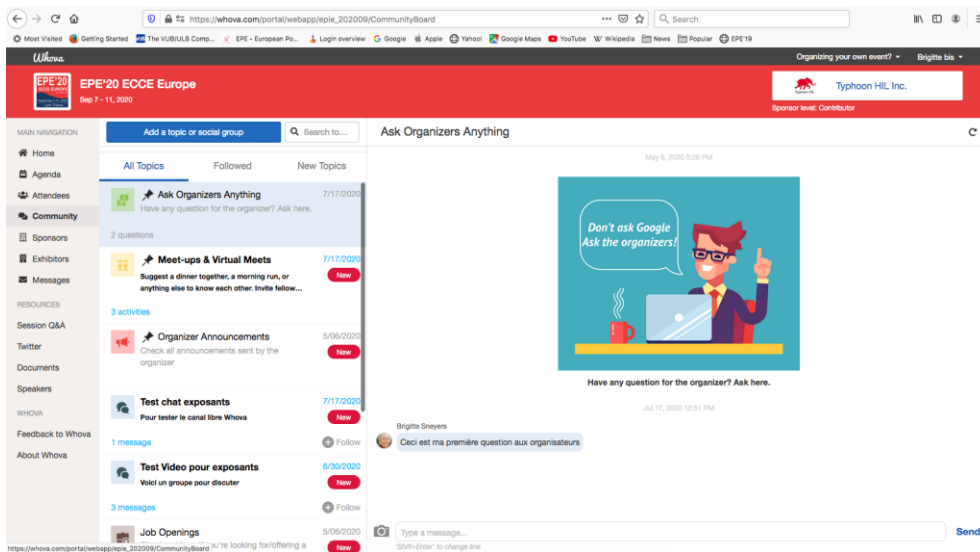
Bookmark Say Hi Message Let's Meet

Personal Notes
Take Notes

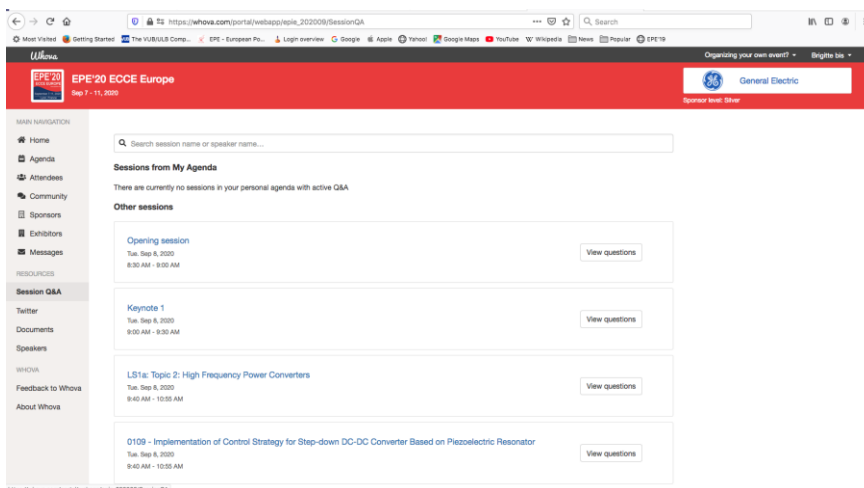
Contact Information
To get Carol's contact information such as phone and email
[Exchange Contact Info](#)



Network within the community, organise meet-ups, contact the organisers, follow the organisers' announcements



Follow up the questions in writing. These discussion will stay on-line 2 weeks after the conference.



Download the full papers directly by number, if it is faster for you than through the link in the session

