

AGENDA

THE SMARTER COLD CHAIN CONFERENCE 2021



Be part of the digital future!

Use the virtual cold chain to speed up your processes, save weeks of pre-qualification time, improve lane risk estimates, and accelerate time to market.

Join in & discuss with other experts from the pharma cold chain industry. If you are interested in this live event, send us an email and we will keep you posted.

postponed to
Oct 06 & 07th, 2021

Tuesday, October 05 2021 – GET-TOGETHER

18.30 Informal get-together

Enjoy our informal get-together at a traditional Bavarian Wirtshaus with original dinner and drinks.



Wirtshaus am Bavariapark
Theresienhöhe 15
80339 München
+49 89 45211691
wirtshaus-am-bavariapark.com

Wednesday, October 06, 2021 – DAY 1

THE SMARTER COLD CHAIN CONFERENCE 2021

08.15 Start of conference day 1

17.00 End of conference day 1



Villa Flora
Hansastr. 44
80686 München
+49 89 250061500
villa-flora-muc.de

19.00 DINNER and networking reception

We will take you on a short city tour from the conference venue to the restaurant. Of course, you are welcome to arrive at the restaurant by your own.



Café & Restaurant MUSEUM
Prinzregentenstr. 3
80538 München
+49 89 45224430
museum-muenchen.de/en

Thursday, October 07, 2021 – DAY 2

THE SMARTER COLD CHAIN CONFERENCE 2021

08.15 Start of conference day 2

16.00 End of event



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Hansastr. 44
80686 München
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THE SMARTER COLD CHAIN CONFERENCE 2021

SmartCAE

GET-TOGETHER • Tuesday, Oct 05, 2021

- 18.30** **Informal GET-TOGETHER**
Wirtshaus am Bavariapark. Enjoy original Bavarian dinner and drinks.
wirtshaus-am-bavariapark.com

📅 postponed to
Oct 06 & 07th, 2021

CONFERENCE DAY 1 • Wednesday, Oct 06, 2021

- 08.15** ☕ **Check-in and welcome coffee**

- 09.00** **Opening address**

- 09.10** **Overview: Virtual Cold Chain**

- What is the Virtual Cold Chain and how is it used in the temperature-controlled logistics industry?
- Make your cold chain smarter by using the Virtual Cold Chain simulation technology.

- 09.30** 🗣️ **KEYNOTE 1: Using Virtual Lane Risk in the AstraZeneca COVID-19 distribution process**
Richard Peck, Global Head of Process Controlled Transportation CoE, AstraZeneca

- 10.00** **Virtual box design**

- Creating digital versions of VIP panels, PCM materials, EPS boxes, pallet shippers, ocean containers, trucks, ...
- Using computer simulation to test any temperature profile on any box in a matter of minutes, compared to days in climate chamber tests or live shipments.

- 10.20** **Live demo: virtual box design**

- 10.40** ☕ **Networking coffee break**

- 11:10** **Virtual lanes**

- Creating realistic lane-specific temperature profiles, compared to general reference profiles like ISTA.
- Data sourced from historical weather, forecast, solar irradiation and logger data.

- 11.25** **Live demo: virtual lanes**

- 11.40** 🗣️ **KEYNOTE 2: Revisiting Pandemic Resilience – how to get prepared to ship several hundred millions vaccines to the world**
Thomas Ellmann, Vice President, CSI Life Sciences & Healthcare at DP DHL

- 12.10** 🗣️ **Morning Q/A**

- 12.30** ☕ **Networking luncheon**

- 14.00** **Virtual lane risk assessment**

- How to quantify lane risk – going beyond risk numbers.
- Total cost of ownership – from risk to costs.

- 14.30** **Live demo: Determining the lane risk and total cost of ownership**

- 15.00** ☕ **Networking coffee break**

- 15.45** **Lane risk case studies: Frozen shipments and thermal covers for CRT shipments**

- 16.10** **Pharma implementation plan**

- In 12 weeks from zero to full VCC lane risk capability.
- Automated report service and cloud kernels for rapid risk assessments.

- 16.20** 🗣️ **Open discussion: How to be part of the Virtual Cold Chain**
• How VCC looks like in daily business.

- 17.00** 🗣️ **End of conference day 1**

- 19.00** **DINNER and networking reception**

Join us for our exclusive social evening and enjoy a special networking night at the restaurant by the Bavarian National Museum.

Café und Restaurant MUSEUM
Prinzregentenstraße 3
80538 München
museum-muenchen.de



AGENDA

THE SMARTER COLD CHAIN CONFERENCE 2021

CONFERENCE DAY 2 • Thursday, Oct 07, 2021

08.15 ☕ **CHECK-IN and welcome coffee**

09.00 **Opening address**

09.10 🗣️ **KEYNOTE 3: Softbox ULT Shipper Development for COVID-19 Vaccine Distribution**

Richard Wood, Executive Director Technical Solutions, Softbox Systems Ltd.

09.40 **Data Tools and model validation**

- Common sources of error when building a virtual model.
- How to match simulation and experiment.

10.10 **Modeling dry ice in SmartCAE**

- Caveats when modeling dry ice.
- A new SmartCAE tool to model dry ice.

10.40 ☕ **Networking coffee break**

11.10 **Case study: Ocean risk**

- Determining acceptable power-off times at specific port locations.
- Quantifying the effects of solar irradiation on ocean containers.

11.30 **Predictive lane risk**

- Include weather forecast in your short term packaging processes.
- Plan alternate routes due to changing weather conditions.

11.40 🗣️ **KEYNOTE 4: Real-Time Loggers and simulation-based predictive analytics, a new approach for extended visibility in the supply chain**

Christoph Bamert, Global Head of Sales & Marketing | Managing Director APAC, ELPRO

12.10 🗣️ **Morning Q/A**

12.30 🍷 **Networking luncheon**

14.00 **Lane risk case studies using multiple transportation modes**

- Which airline service level is appropriate for your specific products and destinations?
- Multiple modes of transportation.
- Minimize the thermal risk by optimizing departure time for your ground-based transportation.

14.30 **Advanced SmartCAE modeling topics**

- Typical simulation challenges, and things that can go wrong in modeling.

15.00 **Outlook**

- Future developments in the Virtual Cold Chain.
- CO₂ footprint, measurement services.

15.30 🗣️ **Q & A Session with open discussion ... and cake!**

15.50 **Closing remarks.**

16.00 🚪 **End of event.**

last edited: 2021-08-12

Join in and dive into discussions with other experts from the pharma cold chain industry.

Location: Munich, Germany

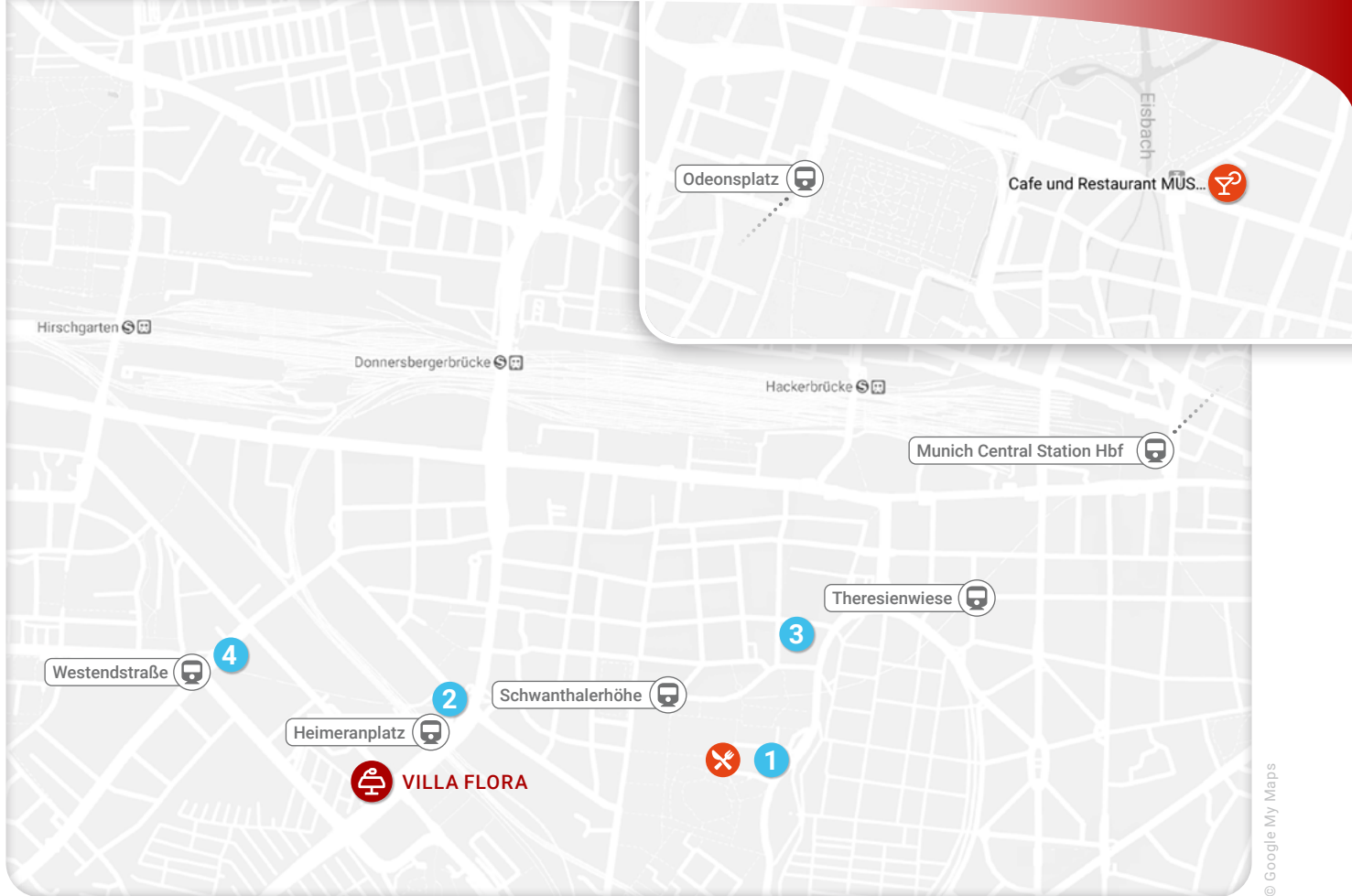
REGISTER NOW. Space is limited!
www.smartcae.de/conference-2021

SmartCAE Stefan Braun

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81829 Munich
Germany

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www.smartcae.de








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Please click on the [linked map](#) for a detailed online view.

VENUES

-  **VILLA FLORA**
conference location
Hansastr. 44
-  Wirtshaus am Bavariapark
-  Café and Restaurant MUSEUM
next to Bavarian National Museum

HOTELS

- 1** Hotel Augustin *
- 2** Sheraton Munich Westpark
- 3** Bavaria Boutique Hotel *
- 4** Ibis München City West

We have reserved rooms at the hotels.
If you are interested, please let us know, or mention "SmartCAE" when you book to get the special rate (*).

PUBLIC TRANSPORTATION

 Underground **U4 U5**



SmartCAE Stefan Braun

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81829 Munich
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www.smartcae.de

