

4-6 December 2018, Hamburg Germany, ZAL TECH CENTER

> **Hosted by DIEHL & AIRBUS Aviation**

Early Confirmed Airlines:



























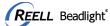














4 - 6 December 2018 | Hamburg, Germany, ZAL TECH CENTER

EARLY CONFIRMED SPEAKERS AND GUESTS: CHRISTIANE GRUDE 🕝 Lufthansa Technik **AIRBUS KRZYSZTOF MOCZULSKI RUTH WILLIAMS NICOLAS TSCHECHNE** stg aerospace Director of Product Department Head of Product. Process Head of Marketing Manager Trend Research. and Knowledge Management, STG Aerospace Airbus Cabin Market Insights LOT Polish Airlines PD Original Equipment Innovation KAREN APITZSCH Lufthansa Technik Aircraft Interiors Marketing Manager LAURENT STRITTER **DEBBIE COOUIA-**Philippine Airlines **CLEMENT BUFFLE** VP Aerospace CUYEGKENG **ANTHONY HARCUP** Designer Assistant Vice President. **ROMAIN CHAREYRE** Associate Director Product Research and **TOBIAS SCHMIDT-SCHÄFFER** VP Design Acumen Development Style & Design Designer. Airbus **CATHERINE BARBER** Philippine Airlines CMF Consultant and Director SAM CHUI **JOHN SCHOENBECK** of Studio Catherine Barber Ltd. KATSUNORI MAKI ANA The world's most followed Director of Strategic Partnering. Designworks Acumen Design Associates Manager Products & Services Aviation Blogger and Reviewer Designworks, A BMW Group Company Strategy, CS&Products Services Aviation and Travel COUNTERPOINT All Nippon Airways (ANA) **BEN BETTEL** THOMAS OHNIMUS Program Director Aircraft Interiors **DANIEL BARON** Senior Expert Cabin Safety, Counterpoint **ANDRII KUSYI** Managing Director **European Aviation Safety Agency** Technical Manager LIFT Strategic Design **Cabin Operations GARY SENECHAL ADIENT** Wizz Air Vice President, Sales & Marketing Aerospace **SWOOP PROF. PETER VINK TU**Delft Adient Aerospace Faculty of Industrial Design PETER AZZOUNI Engineering AIRFRANCE / AIR FRANCE KLM ETIHAD BOEING Senior Manager Guest JEFF ROBERTS TU Delft INDUSTRIES AVIATION GROUP Experience - Cabin Interiors Product Development Chief. Choose Well. TURKISH AIRLINES Cabin and Features Airplane BERNHARD RANDERATH **TURKISH AIRLINES ALEX POZZI** Rockwell Product Development A STAR ALLIANCE MEMBER Vice President Design, Collins Vice President of Seating R&D **Boeing Commercial Airplanes Engineering & Innovation** Building trust every day MIZUS **GLENN JOHNSON MIRUS** Etihad Airways Aviation Group **Design Director JOCHEN LOHRMANN** RECARO Rockwell Collins Head of Innovation & Advanced **BANGKOK AIRWAYS ANDREW LITAVIS** ietBlue Development Senior Analyst Product Development RECARO Aircraft Seating GmbH & Co. KG **MARCO TONUCCI** ietBlue CCO, Optimares **MATT ROUND** tangerine optimares Chief Creative Officer, tangerine **RAKI ISLAM** ZODIAC O **DR. HELGE SACHS** DIFHL **ALEXANDRA COLLINS** Vice President. **AEROSPACE** DESIGNINVESTMENT Senior Vice President Aviation Managing Director Airworthiness & Compliance Product Innovation **CRISTIAN SUTTER** Zodiac Seats Designinvestment Diehl Aviation Lead Cabin Development A350, A380 & B787 Programs



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PARTNER:

SEKISUI | SPI

SEKISUI SPI's KYDEX® Thermoplastics brand is recognized by designers, engi-

neers, and OEMs as a leader in specialty polymers for aviation interiors.

From flight deck to tail, this complete portfolio provides fullycompliant materials with excellent mechanical properties and a refined degree of integral finish and color for an enhanced passenger experience. www.sekisui-spi.com



Established in 1977 by Karen Caputo, Tapis Corporation is a market leader in aircraft interior seating and vertical surface soft goods. Tapis Corporation

industries is a preferred supplier to all of the worlds major OEM seating manufacturers and is offerable with Recaro seating, Rockwell Collins and Zodiac seating. Based in Armonk, New York, USA, Tapis Corporation supplies synthetic leather, synthetic suede and other high-performance fabrics for commercial and business jet interiors.

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STG Aerospace develops innovative and cost-effective lighting solutions for the aviation industry. Established

in 1995, STG Aerospace understands the challenges faced by todays leading airlines, MROs and OEMs and continues to push the boundaries in technology and product applications to meet their needs. STG Aerospace leads the development of photoluminescence in aviation and continues to innovate in other specialist lighting applications including LED cabin mood lighting and signage; providing easy-to-install, reliable products that save weight which reduces operational and maintenance costs.

www.stgaerospace.com, sales@stagaerospace.com

Beadlight® Beadlight is a specialist and pioneer in LED inseat reading lights. Beadlight design and manufacture their lights, working on the principles of safety, quality and design. Beadlight in-seat reading lights combine that certain

design flair with patented diffusion technology where other lights just cannot compete. Beadlight works with international design houses and lighting consultants covering not only the world of premier aircraft seating but also those of Mega Yachts, Cruise Ships and World Class hotels.

www.beadlight.com



Pexco Aerospace is the world's leading extruder and fabricator of Aerospace grade re-

sins for commercial interior applications, including seat track covers, wire management, structural support, edge protection, bump strips, and lighting lenses. Constantly focused on innovation, Pexco provides products used throughout the aircraft and has developed capabilities that allow for basic extrusions to be crafted into complex shapes to enhance the design aesthetic of any cabin while oftentimes reducing cost and taking weight out of the cabin.

Visit www.pexcoaerospace.com for more information.



Reell Precision Manufacturing provides high-quality innovative solutions to transmit torque, control angular position and protect delicate components

from excessive force. Combining the world's most precisely controlled torque technology with the industry's most experienced engineering team provides a perfect product fit in customer applications. Reell's patented technology is widely used in the consumer electronics, automotive, aircraft interiors, medical technology, workstation furniture, kiosk/data terminal, and architectural lighting industries. Reell offers transportation seating solutions for positioning headrests, armrests, leg rests, and entertainment components such as video screens and meal trays for both seatback mounting and in-arm storage. For seating comfort you can rely on Reell Precision technology, which is used in premium automotive and aviation solutions worldwide for many years. For more information about any of Reell's products and services, please contact Reell or visit www.reell.com.

MEDIA PARTNER:



Aircraft Interiors International is celebrating its 20th Anniversary during 2018 and over the last 20 years it has grown to become the industry's premier publication. With an

ABC audited circulation of just short of 14,000 buyers and key decision makers, the hard copy format is extremely valued by readers for detailed content, sense of style and easy-to-read format, and appreciated by advertisers for consistently generating

strong sales leads and wider brand recognition. Industry news is delivered through our weekly email service linked to our website www.aircraftinteriorsinternational.com. You are welcome to take a complimentary copy during the Conference.

For sponsorship such as exhibition, logo display, evening event sponsoring and speaking, please contact Andreas Wibowo, andreas.wibowo@redcabin.de | direct line: +49 30 99 40 489 11



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WHAT OUR PAST DELEGATES EXPERIENCED

"For airline it was great opportunity to listen to top airline cabin development presentations."

Manager Products & Serv. Strategy, CS & Products Services, ANA

"Very constructive atmosphere, good presentations, very good level of discussions and participants, speednetworking is a good idea and workshops a good alternative to presentations only."

Director Liaison Office Abu Dhabi, Diehl Aerospace Abu Dhabi

"Great content, great participants, great location."

Executive Vice President Res. & Dev., Recaro Aircraft Seating

"Got to be the best event I have attended. Personal, open, great group willing to discuss and share common experiences challenges and opportunities."

Design Director, Factory Design

"Versatile program with speeches and interactive modules. International/interdisciplinary audience."

Director Strategic Partnering, BMW Design Works

"Fantastic conference. Very effective to meet with existing relations and meet new ones. Well organized. Good topics for workshops. Very friendly atmosphere from everybody. Very honest and open discussions."

General Manager, ADSE

"Different approach, more practically than other conferences. Better direct contacts with participants and airlines. Workshops good. More open discussion. Good organisation, hospitality."

Business Development Director, Metzeler Schau





4 - 6 December 2018 | Hamburg, Germany, ZAL TECH CENTER

Conference Day One | Tuesday, 4 December 2018 | Conference venue: ZAL TECH CENTER

08:00 Registration

08:30 RedCabin and chairman's welcome

Monica Wick – Founder & CEO, RedCabin
Anthony Harcup – Associate Director, Acumen
Roland Gerhards – Managing Director & CEO, ZAL Tech Center
Ben Bettell – Program Director Aircraft Interiors, Counterpoint

INDUSTRY OVERVIEW

08:45 State of the nation type industry overview

- The interiors industry size
- The supplier base is expanding
- Changes in the Premium seating
- The business outlook

Ben Bettell – Program Director Aircraft Interiors, Counterpoint

09:15 Improving cabin aesthetics without compromising passenger safety

How do you balance photo luminescent safety requirements with modern cabin design?

Can we create cabin lighting harmonisation that includes emergency floor path lighting and still meet regulatory requirements?

Yes is the answer, but we need to work together, designers, marketers, OEM's, innovators alike to ensure we have all the component parts to balance aesthetics with safety.

Join in our straight-talking session to look our minds work in emergency conditions and discover the 10 rules of using photo luminescent products in the cabin.

Ruth Williams – Customer Experience, Head of Marketing, *STG Aerospace*

09:45 SPEED NETWORKING

Break the ice and get to know your industry peers in these fastpaced one-to-one meetings.

Greet each participant in this series of brief exchanges and share your professional background.

Make sure you bring a whole stack of business cards with you!

10:15 Networking Coffee Break

EXECUTIVE KEYNOTE SPEECH

10:45 From a country vision to a product vision

Follow Bernhard Randerath, as he takes you on a interesting journey from the United Arab Emirates' Vision 2030 to Etihad Airways' exceptional aircraft cabin experience and Etihad Engineering's Product Innovation portfolio.

Bernhard Randerath – Vice President Design, Engineering & Innovation, *Etihad Airways Aviation Group*



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11:15 Is Perceived Quality the next paradigm shift in the cabin? STYLE & DESIGN takes a stance on this topic...

- Introduction of STYLE & DESIGN
- What is at stake in the cabin?
- Definition of Perceived Quality
- The proposed methodology
- BenchmarQ: The power of digitalization

Laurent Stritter – VP Aerospace, *Style & Design* **Romain Chareyre** – VP Design, *Style & Design*

11:45 AIRLINE PANEL DISCUSSION

YC seats and improving the accommodation in this class

Debbie Coquia-Cuyegkeng – Assistant Vice President, Product Research and Development, *Philippine Airlines*

Katsunori Maki – Manager Products & Services Strategy, CS&Products Services , *All Nippon Airways (ANA)*

Andrii Kusyi - Technical Manager Cabin Operations, Wizz Air

Peter Azzouni – Senior Manager Guest Experience – Cabin Interiors, *Etihad Airways Aviation Group*

Alex Pozzi – Vice President of Seating R&D, *Rockwell Collins Moderators*: **Sam Chui** – The world's most followed Aviation Blogger and Reviewer, *Aviation and Travel*

Daniel Baron - Managing Director, LIFT Strategic Design

INTERACTIVE WORKING GROUPS

The audience will be divided into 3 groups. Each group will attend all 3 interactive workshops.

13:30 WORKING GROUP 1

The hidden comfort metric – perceived comfort, what is it and how do you measure it? Is it real or just a cheap jedi mind trick? What are the key aspects to feel comfortable in an aircraft cabin environment?

To what extent can comfort be explained in the retical models? How to measure comfort?

Which tools are existing?

How do they work?

Visual comfort – the influence of design.

Against the background of this understanding of comfort, how are current developments in the cabin to be assessed?

Jochen Lohrmann – Head of Innovation & Advanced Development, *RECARO Aircraft Seating GmbH & Co. KG*

Oliver Forgatsch – Head of Design, Ergonomics & Prototyping, *RECARO Aircraft Seating GmbH & Co. KG*

13:30 WORKING GROUP 2

"Continued product segmentation" – on twin-aisle, FC is disappearing, BC is moving forward in the cabin, PEC is segmented in to two products (a de ned PEC product and EC with pitch, leg rest and amenities etc.).



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Is there another niche product to develop here? EC is segmenting with Basic Economy across a number of airlines. Will a new product type emerge?

Gary Senechal – Vice President, Sales & Marketing, *Adient Aerospace*

13:30 WORKING GROUP 3

Using research data and comfort research to design a seat

- Explanation of the process: first design based on available data
 Wand then test it
- Design based on an overview of scientific data relevant for seat design, like
- Human sensitivity data of back and buttock
- Ideal pressure distribution
- Variation in posture
- Back rest curve

Prof. Peter Vink – Faculty of Industrial Design Engineering, *TU Delft*

13:30 WORKING GROUP 4

Trend Insights & Future Cabin Experiences

Nicolas Tschechne – Manager Trend Research, Airbus Cabin Market Insights, *Airbus*

Karen Apitzsch – Aircraft Interiors Marketing Manager, Airbus

15:30 Networking Coffee Break

16:00 CONTINUING WITH WORKING GROUPS 1, 2, 3 AND 4

18:00 Results

Each moderator of the Interactive working group is presenting the outcomes of their session

18:30 Closing remarks

19:00 Evening Dinner

RedCabin invites you to an exclusive Dinner - cruising on a ship with panoramic views on the Hamburg harbour. Take this opportunity to network and make new business contacts. Or just relax and round off your first conference day.





4 - 6 December 2018 | Hamburg, Germany, ZAL TECH CENTER

Conference Day Two | Wednesday, 5 December 2018

08:00 Registration

NEW TECHNOLOGIES

08:30 Physical and digital harmony

The whole world is talking about disruption, as the future, and the ultimate way to achieve progress. Disruption for the sake of disruption...

There is an apparent need to achieve a situation of ,breakage' or ,failure' in order to progress... Instead however, we are interested in integrating multiple experience aspects into one harmonized singular experience - shouldn't we be looking to "understand the system" not just disrupt it?

The automotive world is a key example of this, and how developments and advancements from physical to digital demonstrate how new technology can bring new life to existing systems – to enrich and enhance existing experiences, and where physical and digital can in fact work together seamlessly to provide one overarching, positive experience.

John Schoenbeck – Director of Strategic Partnering, *Designworks, A BMW Group Company*

09:00 Airline Case Study: The Digital Cabin

What is really in it? The bottom line? Applications of the IoT technology for Crew, Maintenance and Guests – examples how this is already being deployed in operation

Andrew Litavis - Senior Analyst Product Development, jetBlue

09:30 Airline casestudy

The Philippine Airlines A350 features unique, first-in-the-world mood lighting scenes designed around brand, country and culture. Using photos and video, we will explain why they were developed, and how PAL is leveraging them as a point of differentiation. We will explore:

- Mood lighting integrated as brand experience
- Translating culture into "emotional touchpoints"
- Big picture context: how the colors work with other CMF elements
- Opportunities for ancillary revenue generation

Debbie COQUIA-CUYEGKENG – Assistant Vice President Product Research and Development, *Philippine Airlines*

Daniel Baron – Managing Director, *Lift Strategic Design*

10:00 Networking coffee break

10:30 PANEL DISCUSSION

Collaborative Craftmanship

- Rate-of-change and rapid innovation is changing the landscape across most industries. At the same time, consumers (passengers) expect high levels of craftsmanship in the products that they interact with daily – from automotive interiors to consumer electronics.
- In what ways can the aircraft interior supply chain collaborate more effectively to deliver innovative and flight-ready products that deliver or exceed this expectation of quality craftsmanship?



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Conference Day Two | Wednesday, 5 December 2018 | Conference venue: ZAL TECH CENTER

Alexandra Collins – Managing Director, Designinvestment
Glenn Johnson – Design Director, Rockwell Collins
Laurent Stritter – VP Aerospace, Style & Design
Moderated by: Ronn Cort – President & COO, SEKISUI SPI

11:00 Accessibility on Aircraft

- The Bigger picture
- How might accessibility be improved
- Concepts discussion

Glenn Johnson – Design Director, *Rockwell Collins*

CERTIFICATION REGULATORS IN THE FOCUS

11:30 PANEL DISCUSSION

Innovation Vs Passenger Safety & Regulatory Compliance

- There is a perspective within our industry that passenger safety and regulatory considerations are hindering innovation
- How FAA and EASA can help industry to certify new ideas and innovations within reasonable time frame

Thomas Ohnimus – Senior Expert Cabin Safety, European Aviation Safety Agency, *EASA*Matt Round – Chief Creative Officer, *tangerine*Cristian Sutter – Lead Cabin Development A350, A380 & B787 Programs **Sebastian Tivig** – Certification and verification engineer (CVE) for Cabin Safety and Senior Cabin Integrator, *Diehl Aviation Moderated by:* **Raki Islam** – Vice President, Airworthiness & Compliance, *Zodiac Seats*

12:15 Networking Luncheon

INTERACTIVE WORKING GROUPS

The audience will be divided into 3 groups. Each group will attend all 3 interactive workshops.

13:45 WORKING GROUP 1

Colour, Materials and Finishes (CMF)

How is it done? Why does it matter? What does it do for a brand? Does it really add to the customer experience? Should OEMs be building in more flexibility? How does it impact your business and how can we work together to meet the needs of program engineers, and marketing and product development teams, who frequently seem to have opposite expectations?

Join us to explore the possibilities and experiences of CMF development from a short lead time program to the luxury of the new Super First cabin environments.

Anthony Harcup – Associate Director, Acumen

Catherine Barber – CMF Consultant and Director of Studio
Catherine Barber Ltd., Acumen Design Associates



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Conference Day Two | Wednesday, 5 December 2018 | Conference venue: ZAL TECH CENTER

13:45 WORKING GROUP 2

High Performance Materials

What are they, what does the future hold and where is current research and development taking us? (covers all materials incl. fabrics, leathers, synthetic leathers, petri dish grown leathers, trends in plastics chemistry and more). Crystal ball gazing for materials science.

Matthew Nicholls – Sales Director, *Tapis Corporation*Cristian Sutter – Lead Cabin Development A350, A380 & B787
Programs

13:45 WORKING GROUP 3

The Race for Data and new models for collaboration – how do OEMs, MROs and Airlines crack the nut?

Big Data and Predictive Analytics have emerged as 'the next big thing' across industries over the past two years – the "Digital Revolution" is in full swing, Industry 4.0 is under construction and it will rely heavily on Artificial Intelligence, Machine Learning and new software applications.

The trend is now gripping the Aviation Industry, where exciting possibilities face a challenging framework of regulations. OEMs have taken the challenge, with Engine OEMs in the leadnew business models and service concepts have arisen and Operational Data have emerged as "the new gold".

What does this all mean for airplane cabins, crew efficiency and the passenger experience?

What are the opportunities and key challenges? As an industry, what needs to change to ensure value added use cases? What roles need to change to enable success?

Jeff Roberts – Product Development Chief, Cabin and Features
Airplane Product Development, Boeing Commercial Airplanes

Mare Lourer Director Advanced Decearch & Draduct

Marc Launer – Director, Advanced Research & Product Concepts, *BGS Research & Rapid Development*

15:45 Networking coffee break

16:15 CONTINUING WITH WORKING GROUPS 1, 2 AND 3

17:15 Results

Each moderator of the Interactive working group is presenting the outcomes of their session

17:45 Closing remarks by RedCabin and conference chairman



4 - 6 December 2018 | Hamburg, Germany, ZAL TECH CENTER

Workshop Day Three | Thursday, 6 December 2018 | Workshop venue: The Rilano Hotel Hamburg

07:45 Registration

08:00 WORKSHOP 1

Health Management Systems

How many events do we have in the cabin?

Within this workshop we will give an overview of state-of-the-art health management approaches used in a variety of aeronautic applications. There are implementation costs as well as verifiable benefits for the stake-holders. They need to be understood in order to study the value chain of health management in the cabin area. From detecting an event to closure of the issue the chain will be derived before jumping into further discussion on how to handle questions such as:

How are they documented?
Which events are causing large disruptions?
Is it possible to prevent the event?
How reliable must the prediction be to justify a preventive maintenance action?

We will categorize the efforts addressing different links of the chain from a technology and added value standpoint as well as developing more detailed insights on example solutions and possible applications. The workshop should provide the participants with a more comprehensive view on the importance of health management in the cabin, possible solutions and total financial impact.

Dr. Helge Sachs – Senior Vice President Product Innovation, *Diehl Aviation*

10:00 Networking coffee break

10:30 WORKSHOP 2

Fostering innovation in large Company Environments - A method for staying in the driver seat for your cabin innovation

Especially in large companies it is essential to keep up to speed with faster than ever changing environments and customer expectations.

What can large companies do to support innovation and intrapreneurship with the right processes, methods and the right culture?

How can the potentials of employees, external founders and other stakeholders such as the management be activated in all stages of innovation?

Discuss with and learn from the experience of colleagues of Lufthansa Technik's Product Division "Original Equipment Innovation".

The product division's approach will be explained along a most recent practical cabin innovation that Lufthansa Technik AG has brought to market.

Christiane Grude – Head of Product, Process and Knowledge Management, PD Original Equipment Innovation, *Lufthansa Technik*

12:30 Networking Luncheon



4 - 6 December 2018 | Hamburg, Germany, ZAL TECH CENTER

Workshop Day Three | Thursday, 6 December 2018 | Workshop venue: The Rilano Hotel Hamburg

13:30 WORKSHOP 3

Comfort Science

Is there such a thing as Comfort Science and if so what are its scientic and engineering principles?

Glenn Johnson - Design Director, Rockwell Collins

15:30 Networking coffee break

16:00 WORKSHOP 4

Future Cabin for the Asian Market (FUCAM) – What could be the differentiator?

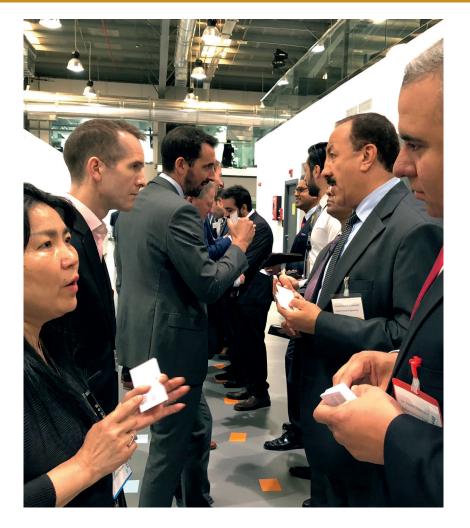
The attendees will get an insight into the EU/Japan FUCAM project, the findings and design ideas elaborated in the last 3 years and will discuss on potential application scenarios.

- FUCAM project overview and motivation
- Concepts and Design Ideas
- Attendees feedback and workshop on further application scenarios beyond the frame of the FUCAM project

Tobias Schmidt-Schäffer – Designer, Expert Cabin Customization, *Airbus*

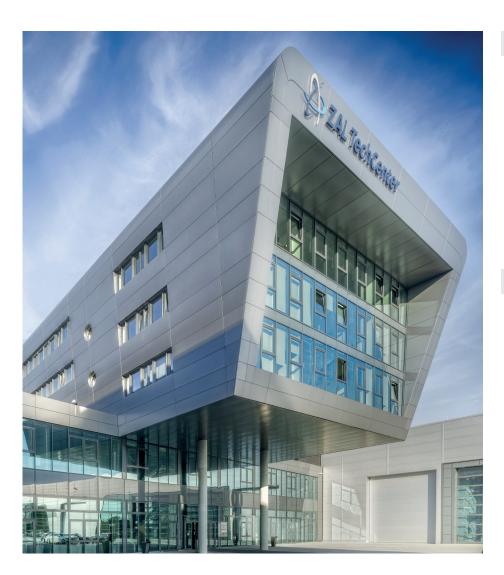
Clement Buffle - Designer, Airbus

18:00 End of Workshop Day





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CONFERENCE AND WORKSHOP VENUE

ZAL TECH CENTER Hein-Sass-Weg 22 21129 Hamburg Germany

WORKSHOP ON DAY 3 (6TH DEC 2018) The Rilano Hotel Hamburg Hein-Sass-Weg 40 21129 Hamburg Germany

ACCOMODATION

The Rilano Hotel Hamburg Hein-Sass-Weg 40 21129 Hamburg Germany