

## Program Schedule

### 3D Print / Additive Manufacturing / CAM / CAD / CAE Hamburg

Day 1 23.05.19	Activities
06:05 – 07:25	Flight Warsaw – Copenhagen (SAS)
08:10 – 09:05	Flight Copenhagen – Hamburg (SAS)
09:15 – 09:45	Transfer from Helmut Schmidt Airport
10:00 – 12:00	<p style="text-align: center;"><b>Fraunhofer Institute for Additive Manufacturing Technologies – IAPT</b></p> <p><i>Visit and Presentation with Prof. Dr. Emmelmann (Director)</i></p> <p>The Fraunhofer IAPT is one of the leading institutions in the field of additive production with a research focus on design, processes, fabrication and digitization. The focus is on the industrialization of additive technologies to enable completely new and resource-efficient products. Just last year, Bugatti presented a new brake caliper in cooperation with the IAPT: the world's largest 3D printing function component made of titanium. On site you will also have the opportunity to get to know various printing techniques in the fields of aerospace, automotive, polymers, medicine, machinery and tooling.</p> <p><i>Am Schleusengraben 14 21029 Hamburg-Bergedorf <a href="https://www.iapt.fraunhofer.de/">https://www.iapt.fraunhofer.de/</a></i></p>
12:00 – 12:45	Transfer
12:45 – 14:00	<p style="text-align: center;"><b>Block Bräu an den Landungsbrücken</b></p> <p><i>Lunch</i></p> <p>The Block Bräu is located right on the riverbank in the heart of the city. Most of the highlights of the city are within walking distance from the restaurant. It offers hearty food which is accompanied by their own home-brewed beers. Enjoy the homely but busy atmosphere on the ground floor surrounded by wooden interior and copper brew kettles or relax on the 1 km<sup>2</sup> rooftop terrace with a stunning view over the city, river and harbour.</p> <p><i>Bei den St. Pauli Landungsbrücken 3 20359 Hamburg <a href="https://www.block-braeu.de/">https://www.block-braeu.de/</a></i></p>

<p>15:00 – 17:00</p>	<p style="text-align: center;"><b>ConmatiX Engineering Solutions GmbH</b></p> <p><i>Guided Tour and Presentation with Frank Speicher (Technical leader Business Unit HP 3D Printing)</i></p> <p>ConmatiX is an engineering company founded in 2000 that has grown to become an integrated service provider in the field of additive manufacturing/CAD/CAM/CAE. It offers integrated consulting and support for the digitalization of production processes, including CAD, CAM, CAE, and additive manufacturing. This includes consulting and training in the areas of installation and support of machines and technology, as well as adaptation of production processes, machine simulations, research and development and finally NX Open programming. These steps are illustrated on the two on-site printers. Official partners include MS, HP, and SIEMENS.</p> <p><i>Hammerbrookstr. 74, 20097 Hamburg <a href="https://conmatix.de/">https://conmatix.de/</a></i></p>
<p>17:00 – 19:00</p>	<p>Transfer to the Hotel + Check in + Transfer to dinner location</p>
<p>19:00 – 22:00</p>	<p style="text-align: center;"><b><i>Dinner at “Störtebeker an der Elbphilharmonie” with Beer Tasting</i></b></p> <p>A world-class location like the Elbphilharmonie concert hall deserves an outstanding gastronomic concept. Störtebeker in the Elbphilharmonie combines German craft beer by the Störtebeker brewery with modern Nordic cuisine with regional and seasonal products. Find the Störtebeker gastronomic locations on three floors in the new landmark of Hamburg. Enjoy a beer-tasting session in the channel lounge and conclude the day there with a rich buffet of locally procured nordic-german food in a relaxed atmosphere.</p> <p><i>Platz der Deutschen Einheit 3, 20457 Hamburg <a href="https://www.stoertebeker-eph.com/">https://www.stoertebeker-eph.com/</a></i></p>
<p>22:00</p>	<p>Night walk to the hotel</p>

<p><b>Schedule</b></p> <p><b>Day 2</b></p> <p><b>24.05.19</b></p>	<p><b>Activities</b></p>
<p>07:30 – 08:30</p>	<p>Breakfast at the hotel</p>
<p>08:30 – 09:00</p>	<p>Transfer</p>
<p>09:00 – 10:00</p>	<p><b>ZAL – Zentrum für Angewandte Luftfahrtforschung GmbH</b></p> <p><i>Guided Tour with Dr.-Ing. Thorsten Scharowsky (Senior Development Manager Additive Manufacturing)</i></p> <p>ZAL is the technological research and development network of the civil aviation industry in the Hamburg metropolitan region. It forms the interface between science, industry and the city of Hamburg with the aim of securing and continuously expanding the world's third largest civil aviation location in Hamburg. The focus of ZAL is on the integration and industrialization of aviation technologies. To this end, ZAL networks industry and science, establishes an application-oriented think tank culture and provides its partners with state-of-the-art infrastructures for research and development.</p> <p>ZAL is divided into three so-called Centers of Competence (CoC), of which the CoC Aircraft Manufacturing &amp; MRO (Maintenance, Repair, Overhaul) additive manufacturing is included. Here, Airbus Operations GmbH, Lufthansa Technik AG and the Free and Hanseatic City of Hamburg are the largest shareholders, researching and working together</p> <p><i>Hein-Saß-Weg 22, 21129 <a href="https://www.zal.aero/">https://www.zal.aero/</a></i></p>
<p>10:00 – 12:00/13:00</p>	<p><b>Airbus S.A.S.</b></p> <p><i>Presentation and guided tour with Martin Dehn (Emerging Technologies &amp; Concepts)</i></p> <p>Airbus is the largest European aircraft manufacturer and is recognized worldwide for its quality work and innovative spirit in the aerospace industry. Hamburg is the seat of numerous Airbus locations: from the spare parts center to development offices, production facilities and the final assembly line. A training center is also located in Hamburg. In Hamburg, the final assembly for the A318, A319 and A321 takes place in two production lines.</p> <p>Airbus is also intensively involved with the possibilities of 3D production of aircraft parts and was nominated for the German Future Prize for Technology and Innovation in 2015. Here, too, the different production processes of the various components will be explained and presented to you.</p> <p><i>AIRBUS Operations GmbH Kreetslag 10 21129 Hamburg</i></p>
<p>13:15 – 14:00</p>	<p>Lunch with a representative of the Chamber of Commerce Hamburg: - Ms. Anna Maria Heidenreich, responsible for the <b>3D printing network Hamburg</b> - Mr. Rudolf Neumüller, <b>Hamburg 4.0 Competence Centre for SMEs</b></p> <p><i><a href="http://www.3d-druckhamburg.de/">http://www.3d-druckhamburg.de/</a></i></p>
<p>14:00 – 14:30</p>	<p>Transfer</p>

<b>Lehmann &amp; Voss Co. KG</b>	
14:30 – 16:00	<p>Lehmann &amp; Voss &amp; Co. is a chemical company and has been selling chemical and mineral products to industrial customers for 125 years. Founded in 1894 as a trading company based in Hamburg, it has developed into a high-performance technical sales organization with its own production facilities and long-standing contacts with mainly foreign suppliers. The company manufactures polymers for the production of 3D printing parts.</p> <p><i>Alsterufer 19 20354 Hamburg <a href="https://lehvoss.de/">https://lehvoss.de/</a></i></p>
17:00 – 17:30	Transfer to Helmut Schmidt Airport
19:25 – 20:15	Flight Hamburg – Copenhagen (SAS)
21:40 – 22:00	Flight Copenhagen – Warsaw (SAS)