



**Erasmus+ Project**  
**Crisis and risks engineering for transport services**  
**CRENG**

**Training on 9-20 September 2019**



Co-funded by the  
Erasmus+ Programme  
of the European Union



## Course Overview

Get exclusive access to the training in risks engineering for transport services. This intensive course is unique and numbers are limited to give you a personal and interactive education experience. The course also provides the participants with exposure to a unique interdisciplinary, international and intercultural learning environment.

### Training Course Program

<b>Mo. 9.09.2019</b>	<b>Venue: Berlin Institute of Technology</b>
9:00 – 9:30	<b>Registration of the participants/Opening keynotes. Presentation of the participants. Presentation of the study program. Administration issues</b>
10:00- 12:30	<b>Dr. Sergej Vlasenko</b> <ul style="list-style-type: none"> <li>• A European high-speed rail network</li> <li>• Overview of 150 years of Railways in Europe and future perspectives: Digitalisation trends and Internet of Smart Trains: A Review on Industrial -Connected Railways</li> <li>• Maintaining public railways with lower cost and improved safety</li> </ul>
12:30 – 13:30	Lunch
13:30 – 17:30	<b>Dr. Sergej Vlasenko</b> <ul style="list-style-type: none"> <li>• Strategic development of railways EU institutions</li> <li>• Private railways: fiction or reality?</li> </ul>
18:00	Guided tour through Berlin and Reichstag visit

<b>Tue. 10.09.2019</b>	<b>Venue: Berlin Institute of Technology</b>
10:00 – 13:00	<b>Dr. Natalia Ivanova</b> <ul style="list-style-type: none"> <li>• Informational-Analytic and Diagnostics for Sociotechnical System</li> </ul>
13:00 – 14:00	Lunch
14:00 – 17:00	<b>Dr. Natalia Ivanova</b> <ul style="list-style-type: none"> <li>• Informational-Analytic and Diagnostics for Sociotechnical System</li> </ul>

<b>Wed. 11.09.2019</b>	<b>Venue: Berlin Institute of Technology</b>
10:00 – 14:00	<b>Dr. Natalia Ivanova</b> <ul style="list-style-type: none"> <li>• New technologies and big data for innovations in crisis and risk management + IT Security</li> </ul>
14:00 – 15:00	Lunch
15:00 – 17:00	<b>Dr. Natalia Ivanova</b> <ul style="list-style-type: none"> <li>• New technologies and big data for innovations in crisis and risk management + IT Security</li> </ul>

<b>Thu. 12.09.2019</b>	<b>Venue: Berlin Institute of Technology</b>
10:00 – 14:00	<b>Prof. Wladimir Bodrow</b> <ul style="list-style-type: none"> <li>• Big Data and new technologies for crisis and risk management + IT Security</li> </ul>
14:00 – 15:00	Lunch
15:00 – 17:00	<b>MBA, Elena Eyngorn</b> <ul style="list-style-type: none"> <li>• Project management and leadership in logistics and research, through open communication and team-working</li> <li>• Research methods and professional development</li> <li>• Carrier Managing, Soft skills for engineer, basics of technical creativity</li> </ul>

<b>Fr. 13.09.2019</b>	<b>Venue:</b>
10:00 – 18:00	<b>Study visit</b> Narrow Gauge Railways, are one of the world's last great steam adventures, with 25 steam locomotives. On 140.4 kilometre, 1,000 mm gauge network, experience our steam locomotives in action every day. Experience this network – made up of the Harzquerbahn, Selketalbahn and Brockenbahn – offering you so many superlatives in the very heart of Germany. Discover nature and culture on a trip on our steam trains; one of the biggest attractions in the Harz, Germany's most northerly low mountain range!

<b>Mo. 16.09.2019</b>	<b>Venue: Berlin Institute of Technology - France</b>
10:00 – 11:30	<b>Name:</b> <ul style="list-style-type: none"> <li>• Risk and crisis forecast, Analysis and Reduction Methods and Tools</li> </ul>
11:30 – 13:00	<b>Name:</b> <ul style="list-style-type: none"> <li>• New challenges for crisis and risk management in logistics systems</li> </ul>
13:00 – 14:00	Lunch
14:00 – 15:30	<b>Name:</b> <ul style="list-style-type: none"> <li>• Humanitarian logistics and transport services in disasters conditions</li> </ul>
14:00 – 15:30	<b>Name:</b> <ul style="list-style-type: none"> <li>• Health, Safety &amp; Environmental Management Systems</li> </ul>

<b>Tue. 17.09.2019</b>	<b>Venue: Berlin Institute of Technology – Poland, Ukraine</b>
10:00 – 11:30	<b>Dr. Mariusz Izdebski</b> <ul style="list-style-type: none"> <li>• Risk and crisis engineering of Transport systems</li> </ul>
11:30 – 13:00	<b>Prof. Iwona Grabarek</b> <ul style="list-style-type: none"> <li>• Human Factors in Design &amp; Operations</li> </ul>
13:00 – 14:00	Lunch
14:00 – 15:30	<b>Dr. Emilian Szczepański</b> <ul style="list-style-type: none"> <li>• Supply chain management and networks</li> </ul>

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15:30 – 17:00	<b>Prof. Viacheslav Matsiuk</b> <ul style="list-style-type: none"><li>• Simulation of complex transport processes and systems that operate in conditions of risks</li></ul>
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<b>Wed. 18.09.2019</b>	<b>Venue: Berlin Institute of Technology</b>
10:00 – 13:00	<b>Study visit Deutsche Bahn, ICE Construction</b>
13:00 – 14:00	Lunch
14:00 – 17:00	<b>Prof. Viacheslav Matsiuk</b> <ul style="list-style-type: none"><li>• Simulation of complex transport processes and systems that operate in conditions of risks</li></ul>

<b>Thu. 19.09.2019</b>	<b>Venue: Berlin Institute of Technology</b>
10:00 – 13:00	<b>Name: Dr. Arnold Sterenharz</b> <ul style="list-style-type: none"><li>• Methodology for Curriculum Development, Revision</li><li>• Implementation of Bologna Process through CRENG Project</li></ul>
14:00 – 17:30	Coordination meeting. Feedback on the training. Certification.

