



**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 Address: Marchstr. 12, Room 216</b>
9:30 – 10:00	<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 Address: Marchstr. 12, Room 216</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 Address: Marchstr. 12, Room 216</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 Address: Marchstr. 12, Room 216</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>Prof. Viacheslav Matsiuk</b> Simulation of complex transport processes and systems that operate in conditions of risks.

<b>Fr. 13.09.2019</b>	<b>Study visit</b>
7:00	Depart from TU Berlin with the bus <b>Meeting Point</b> <b>Address: Marchstr. 12, Room 216</b>
10:00 – 13:00	<b>Study visit to Siemens AG</b>  Siemens Mobility provides answers to questions like: Will cities be able to solve the problems caused by increasing road traffic? Can public transportation help them avoid total gridlock? How can railway operators increase the efficiency and safety of their systems? How can rail and road traffic be integrated? How can logistics supply chains be further optimized as freight volumes continue to increase steadily? Because modern, interconnected and IT-based mobility is the core competency of its four business units: Mobility Management, Turnkey Projects & Electrification, Rolling Stock and Customer Services. They have the know-how to make road traffic flow more smoothly and quickly, make trains more environmentally friendly and efficient, make train schedules and freight shipments more reliable.  The portfolio of study visits includes: <ul style="list-style-type: none"> <li>• the full range of vehicles for rail traffic: Regional, as well as intercity and high speed trains, metro cars, streetcars and light rail, passenger coaches, driverless vehicles and locomotives</li> <li>• Signal and control technology for rail-based passenger and freight traffic</li> <li>• Electrification solutions for rail and road traffic</li> <li>• Maintenance and service of vehicles and infrastructure</li> <li>• Road traffic control and information systems, parking space management as well as electronic payment and toll systems for urban and interurban traffic</li> <li>• Consulting, planning, financing, construction and operation of turnkey mobility systems</li> <li>• Integrated mobility solutions for intermodal networking of different traffic systems</li> </ul>

13:00 – 13:45	<b>Lunch in the Siemens Cantina</b>
14:00	<b>Depart to Harzquerbahn</b>
16:00 – 18:00	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!
18:00	Depart to Berlin

<b>Mo. 16.09.2019</b>	<b>Venue: Berlin Institute of Technology Address: Marchstr. 12, Room 216</b>
10:00 – 11:30	• Risk and crisis forecast, Analysis and Reduction Methods and Tools
11:30 – 13:00	• New challenges for crisis and risk management in logistics systems
13:00 – 14:00	Lunch
14:00 – 15:30	• Humanitarian logistics and transport services in disasters conditions
14:00 – 15:30	• Health, Safety & Environmental Management Systems

<b>Tue. 17.09.2019</b>	<b>Venue: Berlin Institute of Technology Address: Marchstr. 12, Room 216</b>
10:00 – 11:30	<b>Dr. Mariusz Izdebski</b> • Risk and crisis engineering of Transport systems
11:30 – 13:00	<b>Prof. Iwona Grabarek</b> • Human Factors in Design & Operations
13:00 – 14:00	Lunch
14:00 – 15:30	<b>Dr. Emilian Szczepański</b> • Supply chain management and networks
15:30 – 17:00	<b>Prof. Viacheslav Matsiuk</b> • Simulation of complex transport processes and systems that operate in conditions of risks

<b>Wed. 18.09.2019</b>	<b>Venue: Berlin Institute of Technology Address: Marchstr. 12, Room 216</b>
10:00 – 13:00	<b>MBA, Elena Eyngorn</b> • Research methods and professional development • Carrier Managing, Soft skills for engineer, basics of technical creativity Project management and leadership in logistics and research, through open communication and team-working
13:00 – 14:00	Lunch
14:00 – 17:00	<b>Coordinating meeting/ Presentations of 6M reports by the partners Moderators: Dr. Arnold Sterenharz, MBA Elena Eyngorn, Dr. Iuliia Bulgakova</b> 1. Dissemination/Full media coverage of the project activities - <b>Dr. Arnold Sterenharz, Ms. Aleksandra Ivanova</b>

	<p>2. Documentation on Service offices - <b>Dr. Arnold Sterenharz, Dr. Iuliia Bulgakova</b></p> <p>3. International Text book for PA - <b>Dr. Iuliia Bulgakova</b></p> <p>4. Purchase the equipment; install the equipment; rooms for new classrooms and laboratories - <b>Dr. Arnold Sterenharz, Ms. Aleksandra Ivanova</b></p> <p>5. Preparation of the documents for staff costs (joint declaration + timesheets) for the first project year - <b>MBA, Elena Eyingorn</b></p> <p>6. Preparation for NEO monitoring: dates, questionnaire - <b>Dr. Arnold Sterenharz, Dr. Iuliia Bulgakova</b></p>
18:00	<p><b>Project Dinner</b> <b>Persépolis Restaurant</b></p>

Thu. 19.09.2019	Venue: Berlin Institute of Technology Address: Marchstr. 12, Room 216
11:00 – 13:30	<p><b>Name: Dr. Arnold Sterenharz</b></p> <ul style="list-style-type: none"> <li>• Methodology for Curriculum Development, Revision</li> <li>• Implementation of Bologna Process through CRENG Project</li> </ul>
13:30 – 14:00	Lunch
14:00 – 16:30	<p><b>MBA, Elena Eyingorn</b></p> <ul style="list-style-type: none"> <li>• Research methods and professional development</li> <li>• Carrier Managing, Soft skills for engineer, basics of technical creativity</li> </ul> <p>Project management and leadership in logistics and research, through open communication and team-working</p>
16:30 – 17:00	Feedback on the training. Certification.

### List of participants

Coun.	Institution	Name and Surname/ email	Position
DE	ECM Space Technologies GmbH	Dr. Arnold Sterenharz <i>arnold.sterenharz@ecm-office.de</i>	Director
DE	ECM Space Technologies GmbH	Ms. Amalia Starikow <i>a.starikow@ecm-space.de</i>	Project assistant
DE	Berlin Technical University	Ms. Elena Eyngorn <i>elena.eyngorn@tu-berlin.de</i>	Scientific Researcher Project manager
PL	Warsaw University of Technology	Prof. Iwona Grabarek <i>igr@wt.pw.edu.pl</i>	Professor at the Department of Information Technology and Mechatronics in Transport
PL	Warsaw University of Technology	Dr. Emilian Szczepański <i>eszczepanski@wt.pw.edu.pl</i>	Associate Professor at the Department of Transport Systems Engineering and Logistics
PL	Warsaw University of Technology	Dr. Mariusz Izdebski <i>mizdeb@wt.pw.edu.p</i>	Associate Professor at the Department of Transport Systems Engineering and Logistics
FR	University of Valenciennes and Hainaut-Cambrésis	Dr. Abdessamad Ait el cadi <i>Abdessamad.AitElCadi@uphf.fr</i>	Associate Professor
FR	University of Valenciennes and Hainaut-Cambrésis	Dr. Abdelghani Bekrar <i>abdelghani.bekrar@uphf.fr</i>	Associate Professor at the Technical Institute of Science, head of E-logistics Master
UA	Pryazovskyi State Technical University	Dr. Ganna Maslak <i>avmaslak81@gmail.com</i>	Head of the Dept of Transport Technologies of Enterprises
UA	Pryazovskyi State Technical University	Dr. Halyna Burlakova <i>galochkagoogl@gmail.com</i>	Head of the Dept of Automobile Transport
UA	Pryazovskyi State Technical University	Prof. Valeriia Kolosok <i>kolosok.v.m@gmail.com</i>	Head of the Dept of the Transport management and logistics
UA	Dnipropetrovsk National University of Railway Transport named after Academician V. Lazaryan	Dr. Andrii Okorokov <i>andrew.okorokoff@gmail.com</i>	Head of the Dept Management of operational work
UA	Dnipropetrovsk National University of Railway Transport named after Academician V. Lazaryan	Dr. Nataliia Chernova <i>foreign@diit.edu.ua</i>	Associate Professor at the Department of Economics and Management

<b>Coun.</b>	<b>Institution</b>	<b>Name and Surname/ email</b>	<b>Position</b>
UA	State University of Infrastructure and Technologies	Dr. Olha Halan <i>helga.halan@gmail.com</i>	Associate Professor of the Dept of Automation and Computer-Integrated Transport Technologies
UA	State University of Infrastructure and Technologies	Dr. Iuliia Bulgakova <i>jbulgakova@gmail.com</i>	Associate Professor at the Department of Management of Railway Commercial Activities
UA	State University of Infrastructure and Technologies	Dr. Oksana Yurchenko <i>oksana.yurchenko07@gmail.com</i>	Associate Professor at the Department of Management of Railway Commercial Activities
UA	State University of Infrastructure and Technologies	Prof. Viacheslav Matsiuk <i>vimatsiuk@gmail.com</i>	Professor at the Department of Transport Technology and Process Control Traffic
UA	Joint Stock Company "Ukrainian Railways"	Mrs. Nadiia Matsiuk *	Department for Organization of domestic and international passengers transportations, engineer.
UA	LLC "LIAL TRANS"	Mr. Dmytro Yurchenko *	Manager on Railway Transportations
AZ	Baku Engineering University	Dr. Manafaddin Namazov <i>mnamazov@beu.edu.az</i>	Vice-rector for International relations and Lecturer
AZ	Baku Engineering University	Dr. Parviz Hasanov <i>phesenov@beu.edu.az</i>	Head of Industry organization and management department and Lecturer
AZ	Baku Engineering University	Ms. Ulkar Abdurahmanova <i>uabdurahmanova@beu.edu.az</i>	Leading specialist of Master and Doctorate Department and Lecturer
AZ	Azerbaijan Technical University	Dp. Fuad Dashdamirov <i>dr.fuad@rambler.ru</i>	Associate professor at the Department of Organization of automobile transportation and road traffic
AZ	Azerbaijan Technical University	Dr. Nijat Zohrabov <i>nidjatzoxrabov@mail.ru</i>	Associate professor at the Department of Exploitation of railway transport
AZ	Azerbaijan Technical University	Dr. Allahverdi Sharifov <i>s.allahverdi@mail.ru</i>	Associate professor at the Department of Organization of automobile transportation and road traffic
AZ	Azerbaijan Technological University	Mr. Nijat Gazanfarli <i>q.nicat@list.ru</i>	Lecturer at the Depart of Mechanical Engineering and Logistics
AZ	Azerbaijan Technological University	Mr. Nofal Hajiyev <i>haciyev.nofel@gmail.com</i>	IT specialist of E-services and Information Department & lecturer

<b>Coun.</b>	<b>Institution</b>	<b>Name and Surname/ email</b>	<b>Position</b>
AZ	Azerbaijan Technological University	Dr. Nijat Aghayev <i>n.aghayev@uteca.edu.az</i>	Head of E-services and Information Department & Lecturer at Management Department
TM	Turkmen State Institute of Transport and Communications	Prof. Valiyeva Sapargul <i>sapargul@mail.ru</i>	Head of the Department of Economy and management of transport and communication
TM	Turkmen State Architecture and Construction Institute	Dr. Maksatguly Bendov <i>bent@yandex.com</i>	Head of the Department of Computer Technology
TM	Turkmen State Architecture and Construction Institute	Dr. Govher Amanova	Head of the Logistics Department
TM	International University for the Humanities and Development	Rahman Rahmanov <i>resa93@mail.ru</i>	Instructor of Computer Technologies and Systems Department
TM	International University for the Humanities and Development	Ayna Mametsaliyeva <i>mametsaliyeva@gmail.com</i>	Instructor of International Management Department
TM	Turkmen State Architecture and Construction Institute	Suleymanov Resul <i>resa93@mail.ru</i>	Trainee-teacher of department Economy and management
TM	International University for the Humanities and Development	Habib Halmamedov <i>halmamedovh@gmail.com</i>	Instructor of Social Sciences Department



# TU Berlin campus map

