Date: 25-27.04.2017
Place: Aalborg

Knowledge FOr Resilient soCiEty

PhD programmes

University of Zilina
Faculty of Security Engineering

Co-funded by the
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of the European Union

STANDARD Ph.D. PROGRAME STRUCTURE – FULL TIME

1. *Year – 2 compulsory core subjects (2x 7ETCS)+ 3 elective subjects based on topic (3x5ETCS)*
2. *Year – Dissertation project defense (20 ETCS) + research or engineering internship abroad (mainly ERASMUS) 2-4 months (5 ETCS)*
3. *Year – Dissertation thesis defense (30 ETCS)*

Years 1 to 3 Dissertation project – work on dissertation thesis evaluated every year + defense in year 2 (11, 15, 5 ECTS)

Years 1 to 3 Research and publication activities – mainly publication of conference and journal papers, participation on research projects, etc.To pass the student has to gain a certain number of ECTSs. (20, 20, 25 ECTS).

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STANDARD Ph.D. PROGRAME STRUCTURE – PART TIME

1. *Year – 2 compulsory core subjects (2x 7ETCS)+ 3 elective subjects based on topic (3x5ETCS)*
2. *Year – Dissertation project defense (20 ETCS) + 1 elective subject based on topic (1x5ETCS)*
3. *Year – „publication year“*
4. *Year – Dissertation thesis defense (30 ETCS)*

Years 1 to 4 Dissertation project – work on dissertation thesis evaluated every year + defense in year 2 (6, 10, 10, 5 ECTS)

Years 1 to 4 Research and publication activities – mainly publication of conference and journal papers, participation on research projects, etc.To pass the student has to gain a certain number of ECTSs. (10, 10, 35, 10 ECTS).

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Ph.D. CANDIDATE SELECTION

Ph.D. supervisors usually collaborate a couple of years prior to the actual studies: e.g. supervision of Bc. and MSc. theses, student scientific competition work etc. This is an ideal situation and they can transform previous work into a future Ph.D. thesis project.

There is a compulsory admission exam / interview comprising:

1. *Presentation of students motivation and approach to dissertation project*
2. *Brief overview of the state of art*
3. *Prelimirary hypotheses*
4. *Overview of mathematical and statistical methods to be employed*
5. *English (foreign language) part of the presentation to prove language skills*

Candidates are evaluated by the department panel of Ph.D. advisors.

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ENROLMENT CONDITIONS

Only students with a MSc. (Ing., Mgr.) or higher academic degrees are eligible to apply and enroll into a Ph.D. course in the Slovak republic.

Preferably students from the same or related fields of study are considered, however, getting students from other fields brings in the potential advantage of the out-of-the-box thinking.

Full-time students studying in Slovak language receive scholarship (approx. 600 Eur/month), part-time students pay 1000 Eur/year tuition fee.

Foreign full-time students studying in English pay 6000 Eur/year tuition fee and part-time studenst pay 2000 Eur/year tuition fee.

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STUDENT OBLIGATIONS DURING Ph.D. STUDENTS

Ph.D. studies are now module/subject based which puts constraints on research and publication activities.

Ph.D. have to create an individual Ph.D. study plan together with their supervisor – this contains courses selected, defines milestones in their dissertation project...

Two exams: dissertation project defense and dissertation thesis defense

Alongside research activities Ph.D. students are required to teach 4 hrs/week

For research and publication activities Ph.D. studies collect points/ECTS and they need to meet the threshold values for each year to pass.

Full-time PhD. students are required to take an foreign research internship

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HUMAN RESOURCES

By law, only Full professors and Associate professors are eligible to supervise Ph.D. studies.

Currently there is 19 Ph.D. supervisors at FSE UNIZA.

Ph.D. supervisors are limited to supervising a maximum of 5 Ph.D. students by law; this combines both full- and part-time students.

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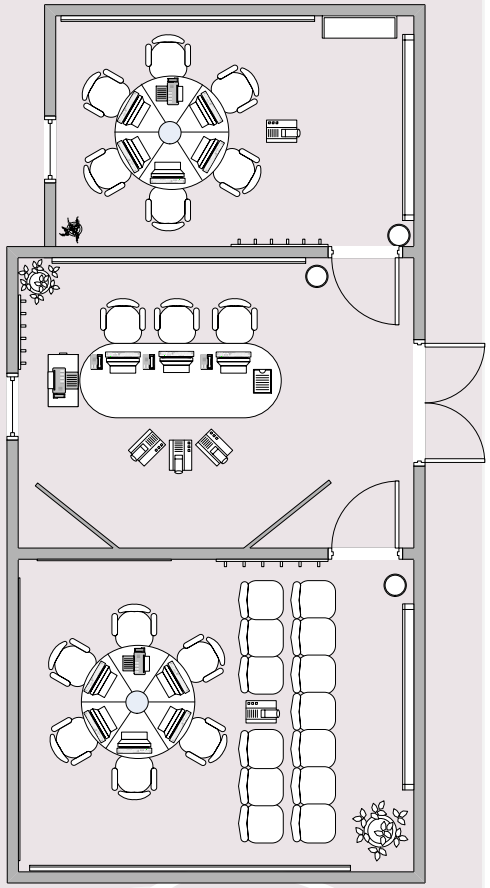
RESEARCH FACILITIES

Laboratory for modelling and simulation of crisis phenomena

The objective of the laboratory is to create a virtual environment enabling to improve the quality of training and efficiency of decision-making in crisis management, increase mental endurance of emergency managers working under constant stress, model and simulate crisis phenomena in social, technical, technological and natural environments, collection, processing and evaluation gathered data, and increase the efficiency and reliability of the decision-making of the human factor.



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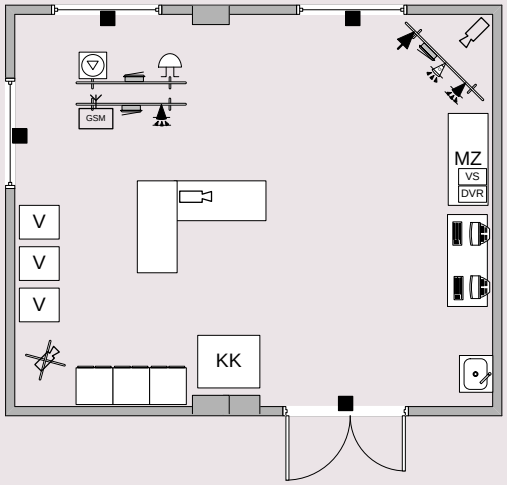
RESEARCH FACILITIES

Critical Infrastructure and Facility Protection Systems Research Laboratory

The laboratory offers research possibilities in the field of protection of critical infrastructure elements with emphasis on research methods and tools for assessment of technical efficiency and system reliability of property protection. It is possible to simulate real-world operating conditions of technical elements of the control and safety features of intelligent protection and security systems.



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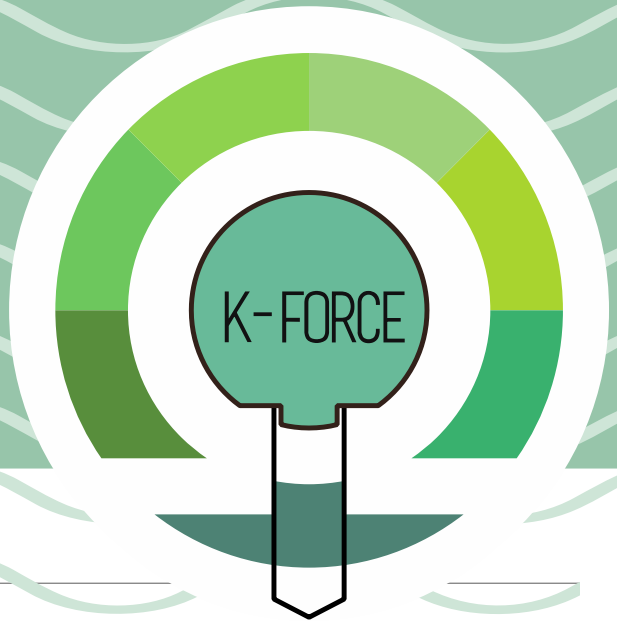

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Thank you for your attention!

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