

**RESEARCH TOPICS OF THE
DOCTORAL SCHOOL OF MILITARY ENGINEERING
2016/2017**

01. MILITARY ENGINEERING INFRASTRUCTURES

Head of the research field: Dr. Zoltán Kovács PhD

1. Infrastructure issues of installation's large crowds accommodate camps
Supervisor: Dr. habil. Tibor Kovács PhD
2. Research and analysis of protective measures against terrorist blast attacks, development of procedures and technical background
Supervisor: Dr. Zoltán Kovács PhD

02. MILITARY TECHNOLOGY AND ROBOTICS

Head of the research field: Prof. Em. Dr. Károly Turcsányi DSc

1. Theory and Practice of Research and Development (R&D) in Military Technology, Hungary and NATO
Supervisor: Prof. Dr. György Kende DSc
2. Studying chess and its information technology background to find analogies and application possibilities regarding battle field operations, armaments development, decision making, military training and education
Supervisor: Prof. Dr. György Kende DSc

03. DEFENCE ELECTRONICS, INFORMATICS AND COMMUNICATION

Head of the research field: Prof. Dr. Zsolt Haig PhD

1. Capability-based analyses of command posts and their communication and information support
Supervisor: Prof. Dr. László Kovács PhD
Dr. habil. Tibor Farkas PhD
2. Technical equipment capabilities and development trends of communication and information support of joint military operations in a multinational area
Supervisor: Prof. Dr. Zsolt Haig PhD
Dr. habil. Tibor Farkas PhD
3. Development of CIS on stationer level
Supervisor: Dr. Károly Fekete PhD
4. Cyber warfare
Supervisor: Prof. Dr. László Kovács PhD
5. Technical questions of IT systems, applications and devices supporting the military forces, and the defence sphere
Supervisor: Prof. Dr. Sándor Munk DSc
6. Defence (military) tasks related to new generation Internet technologies, services;

Supervisor: Prof. Dr. Sándor Munk DSc

7. Use of e-learning and distance learning in military higher education
Supervisor: Dr. György Seres DSc

04. MILITARY ENVIROMENTAL

Head of the research field: Dr. habil. László Földi PhD

1. Climate change and military security
Supervisors: Prof. Dr. József Padányi DSc
Dr. habil. László Földi PhD

05. DISASTER MANAGEMENT

Head of the research field: Dr. habil. Lajos Kátai-Urbán PhD

1. Research and development of the implementation of operator's and authority's tasks in the field of industrial safety
Supervisor: Dr. habil. Lajos Kátai-Urbán PhD
2. Tactical possibilities and set of special equipment for managing disasters
Supervisor: Dr. habil. Ágoston Restás PhD
3. Development of the system of procedures and tools aiming the increasing of industrial safety
Supervisor: Dr. Gyula Vass PhD
4. Research and development of nuclear security and emergency response
Supervisors: Prof. Em. Dr. József Solymosi DSc
Dr. Kristóf Horváth PhD