54th IG MEETING

LoD 13 Session

International Technical Semester

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04 May 2022

LoD 13 Session International Technical Semester

1. Presentation of participants

2. Brief Presentation of the KA2 Project E_UCTS_{DS}

3. Future activities

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1. PARTICIPANTS

Institution	Country	Participants
Military Technical Academy „Ferdinand I", Bucharest	Romania	1
Romanian Naval Academy of Constanța		1
Military University of Technology, Warsaw	Poland	2
Portuguese Air Force Academy	Portugal	1
ESM Saint Cyr Coetquidan	France	1
Hellenic Air Force Academy	Greece	4
Hellenic Naval Academy		2
Total 7 institutions	**5**	**12**

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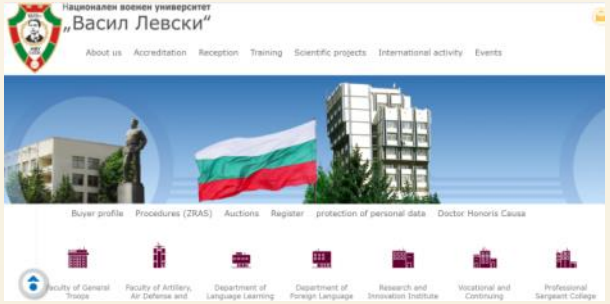
2. Brief Presentation of the KA2 Project E_UCTS_{DS}

Project partners

FAFA Salon de Provence (FR)

MTA Bucharest (RO)

HAFA Athens (GR)



NMU Veliko Tarnovo (BG)

ESDC Brussels (EU)

MUT Warsaw (PL)

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2. Brief Presentation of the KA2 Project E_UCTS_{DS}

E_UCTS_{DS} Curriculum

No.	Subjects	ECTS
1	Applied Informatics – RO MTA	3
2	Applied Automation for Engineering Systems – PL MUT	3
3	Integrated Weapon Systems – RO MTA	3
4	Common Security and Defence Policy for Technical Systems - FR FAFA	3
5a	Computer Networks – BG NMU	3
6a	Programming Languages – RO MTA	3
7a	Signal Processing – GR HAFA	3
8a	Microcontrollers – RO MTA	3
5b	Propulsion Systems – GR HAFA	3
6b	Dynamic of Flight – PL MUT	3
7b	Mechanics and Material Science – GR HAFA	3
8b	Computer-Aided-Design and Numerical Analysis – BG NMU	3
9	Interdisciplinary Scientific Project – GR HAFA	6
10	Foreign Languages (Bulgarian/French/Greek/Polish/Romanian)	2
11	Physical Education and Sports	2
	TOTAL	34

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3. Future activities of the E_UCTS_{DS} Project

- Curriculum elaboration ☑
- Designation of subject responsible ☑
- Extension of the project duration: 30th June/July 2023
- Designation of subject leader ☑
- Selection students for the pilot activities events: Deadline: 30th of June 2022
- Elaboration of the subject description: Deadline: 30th of June 2022
- Selection the topics for the pilot activities: Deadline: 30th of June 2022
- Elaboration didactic materials for the pilot activities: Deadline: 30th of June 2022
- Elaboration didactic materials for all the subjects: Deadline: 30th of April 2023
- E-learning platform: Deadline: 30th of April 2023
- Network of teachers: Deadline: 30th of April 2023
- First Edition of the new Technical Semester: Spring 2023 RO MTA

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3. Future activities of the E_UCTS_{DS} Project

- **ISP Scientific Project: GR HAFA 11-15.07.2022 or 18 – 22.07.2022**
- **Transnational Project Meeting: BG NMU – 26.09.2022**
- **Multiplier Event: BG NMU – 27.09.2022 (Defence Technology Forum 2022)**
- **ISP Electronic Engineering and Computer Science: BG NMU 28.09 – 02.10.2022**
  - *Applied Computer Networks, Programming Languages, Signal Processing* and *Microcontrollers*
- **ISP Military Science: FR FAFA – 17-20.10.2022**
  - *Integrated Weapon Systems* and *CSDP for Technical Systems*
- **Transnational Project Meeting: FR FAFA – 21.10.2022**
- **ISP Basic Engineering: RO MTA – April 2023**
  - *Applied Informatics* and *Applied Automation for Engineering Systems*
- **ISP Mechanical and Aerospace Engineering: PL MUT – June 2023**
  - *Propulsion Systems, Dynamic of Flight, Mechanics and Material Science* and *CAD and Numerical Analysis*
- **Transnational Project Meeting: RO MTA – 22.05.2023**
- **Multiplier Event: RO MTA – 23.05.2023 (58th IG Meeting – 22-25.05.2023??)**

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IMINT/GEOINT ANALYSIS MODULE

Goals of the module

- Discover and understand basic principles of the IMINT/GEOINT Analysis and Exploitation;
- Learn about SAR Imagery basics, Imagery analysis techniques and reporting, Remote sensing fundamentals, UAV systems;
- Deepen knowledge of the practical applications using GEOINT concepts, technologies and products

IMINT/GEOINT ANALYSIS MODULE

MODULE DETAILS				
Main topic	Lectures (recom. WH)	Application (recom. WH)	Self-studies (Add. WH)	ECTS
Remote sensing fundamentals	4		40	4ECTS
Earth observation satellite systems	2			
Basic concepts of SAR Imagery	4	2		
Imagery Analysis (IA) techniques and reporting	6			
GEOINT – Concepts, technologies and products	4			
Imagery analyst mission	2			
UAV systems	4	2		
IA of STANAG 3596 Target Categories: airfields, SAM systems, storage and repair installations, port installations	16	8		
Scientifically project		6		
TOTAL	42	18	40	100 WH

IMINT/GEOINT ANALYSIS MODULE

DETAILS

- WHEN: 16th – 27th of May 2022 1st week – on-line
  2nd week – residential format
- WHERE: Military Technical Academy „Ferdinand I”
- WHO: Cadets – no special requirements
- MTA: Free accomodation and meals
- HOW: http://www.emilyo.eu

  http://www.mta.ro/international
- POC: *LCol.Asst.Prof.Eng.PhD* Alin-Constantin SAVA

QUESTIONS ?

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3. Future activities of LoD13

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