



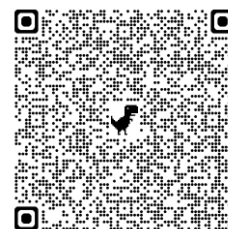
Conference Agenda ETIMA 2025

24-25.09. 2025



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[Wednesday 24.09.2025]

[SESSION 1- Power Engineering]

[Chair: Assistant Professor Biljana Citkuseva Dimitrovska]

[Co-chair: Full Professor Dragan Minovski]

[LINK: [ETIMA2025 - SESSION 1](#) | [Meeting-Join](#) | [Microsoft Teams](#)]

09:00-09:15 CONFERENCE OPENING AND WELCOME SPEECH BY ASSISTANT PROFESSOR BILJANA CITKUSEVA DIMITROVSKA

09:15-09:30 СОВРЕМЕНО РАНОГРАДИНАРСКО ПРОИЗВОДСТВО СО ПРИМЕНА НА ОБНОВЛИВИ ЕНЕРГЕТСКИ ИЗВОРИ И ТЕХНОЛОГИИ
[Марио Петковски, Влатко Чингоски, Ангела Живачка]

09:30-09:45 ШИРОКОПОЈАСЕН ПРЕНОС НА ПОДАТОЦИ ПРЕКУ ЕЛЕКТРОЕНЕРГЕТСКАТА МРЕЖА
[Христина Пиличева, Мите Ристов, Билјана Читкушева Димитровска]

09:45-10:00 TRANSIENT PHENOMENA IN BLACK START
[Žaneta Eleschová, Ivan Bednárík, Dávid Kompan, Juraj Zeman]

10:00-10:15 OPTIMIZATION OF SURPLUS ELECTRICITY MANAGEMENT FROM MUNICIPAL PHOTOVOLTAIC SYSTEMS: VIRTUAL STORAGE VS BATTERY SYSTEMS
[Sara Aneva, Dragan Minovski, Vasilija Sarac, Darko Bogatinov, Sara Kostevska]

10:15-10:30 IMPACT OF LIGHT POLLUTION ON ENERGY EFFICIENCY
[David Kompan, Peter Janiga, Miroslava Smitkova, Ivan Bednárík, Juraj Zeman]

10:30-10:45 ПЕРСПЕКТИВИ, ПРЕДИЗВИЦИ И ИНОВАЦИИ ВО ПЕРОВСКИТНИТЕ СОЛАРНИ КЕЛИИ
[Мартина Цветановска]

10:45-11:00 ПРИМЕНА НА МАТЕРИЈАЛИ ЗА ПРОМЕНА НА ФАЗАТА ЗА ЛАДЕЊЕ НА ФОТОВОЛТАИЧНИ КЕЛИИ
[Бојана Темелковска]

11:00-11:15 LONG-TERM POWER PURCHASE AGREEMENT FOR PHOTOVOLTAIC ENERGY AS A SOLUTION FOR ENHANCING THE PROFITABILITY OF THE TASHMARUNISHTA PUMPED-STORAGE HYDRO POWER PLANT
[Sara Aneva, Dragan Minovski, Vasilija Sarac, Darko Bogatinov, Sara Kostevska]



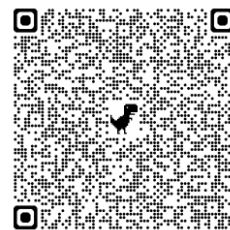
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[Wednesday 24.09.2025]

[SESSION 2 - Energy and Automation]

[Chair: Full Professor Saso Gelev]

[Co-chair: Full Professor Vasilija Sarac]

[LINK: [ETIMA2025 - SESSION 2](#) | [Meeting-Join](#) | [Microsoft Teams](#)]

11:30-11:45	СПОРЕДБЕНА АНАЛИЗА НА ПОТРОШУВАЧКА, ЕНЕРГЕТСКА ЕФИКАСНОСТ И ТРОШОЦИ КАЈ ВОЗИЛА СО РАЗЛИЧЕН ТИП НА ПОГОН [Софија Јакимовска, Гоце Стефанов]
11:45-12:00	АВТОМАТСКИ СИСТЕМ ЗА НАВОДНУВАЊЕ УПРАВУВАН ОД ARDUINO МИКРОКОНТРОЛЕР [Дарко Богатинов, Маја Кукушева Панева, Гоце Стефанов]
12:00-12:15	ПРИМЕНА НА WAMS И WACS СИСТЕМИ ВО SMART GRID [Симона Ефремова, Јована Илиевска, Билјана Читкушева Димитровска]
12:15-12:30	IOT-BASED ENVIRONMENTAL CONTROL IN 3D PRINTER ENCLOSURES FOR OPTIMAL PRINTING CONDITIONS [Stefan Jakimovski, Goce Stefanov]
12:30-12:45	BENEFITS OF STUDYING 8086 MICROPROCESSOR FOR UNDERSTANDING CONTEMPORARY MICROPROCESSOR [Stanela Gacova, Jugoslav Achkoski]
12:45-13:00	ПРАКТИЧНА СИМУЛАЦИЈА НА SCADA СИСТЕМ ЗА СЛЕДЕЊЕ И РЕГУЛАЦИЈА НА НИВО НА ТЕЧНОСТ ВО РЕЗЕРВОАР [Југослав Додевски, Сашо Гелев]
13:00-13:15	ADVANCEMENTS IN INDUSTRIAL DIGITAL SENSORS (VERSION 3.0 TO 4.0) AND RADAR SYSTEMS FOR OBJECT DETECTION: A STATE-OF-THE-ART REVIEW [Rexhep Mustafovski, Aleksandar Risteski, Tomislav Shuminoski]



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[Wednesday 24.09.2025]

[SESSION 3 - Communication
and Energy Technologies]

[Chair: Assistant Professor Biljana Citkuseva Dimitrovska]

[Co-chair: Associate Professor Todor Cekerovski]

[[LINK: ETIMA2025 - SESSION 3](#) | [Meeting-Join](#) | [Microsoft Teams](#)]

13:30-13:45	CHALLENGES AND SOLUTIONS FOR ENHANCING DRONE-TO-TOC COMMUNICATION PERFORMANCE IN MILITARY AND CRISIS OPERATIONS [Rexhep Mustafovski, Aleksandar Risteski, Tomislav Shuminoski]
13:45-14:00	BRIDGING TELECOMMUNICATIONS AND AVIATION: ENABLING SCALABLE BVLOS DRONE OPERATIONS THROUGH AIRSPACE DIGITIZATION [Gorazd Mirkovski, Todor Cekerovski, Marija Cekerovska, Sebastian Woblistin, Taulant berisha]
14:00-14:15	MEASURES AND RECOMMENDATIONS FOR EFFICIENCY IMPROVEMENT OF ELECTRICAL MOTORS [Vasilija Sarac, Sara Aneva, Ana Eftimova]
14:15-14:30	USE OF MACHINE LEARNING FOR CURRENT DENSITY DISTRIBUTION ESTIMATION OF REBCO COATED CONDUCTORS [Junichiro Takei, Takanobu Mato, So Noguchi]
14:30-14:45	THE USE OF COMMUNICATION PLATFORMS IN MILITARY OPERATIONS: ENHANCING STRATEGIC AND TACTICAL EFFECTIVENESS [Rexhep Mustafovski, Aleksandar Risteski, Tomislav Shuminoski]



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[Thursday 25.09.2025]

[SESSION 4 - Biomedical Engineering]

[Chair: Associate Professor Natasa Longurova]

[Co-chair: Titled Assistant Professor Riste Timovski]

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09:00-09:15	APPLICATION OF ARTIFICIAL INTELLIGENCE IN DENTAL MEDICINE [Pavle Apostoloski, Mihajlo Petrovski]
09:15-09:30	ИНТЕГРАЦИЈА НА ДИГИТАЛНИОТ СПЕКТРОФОТОМЕТАР ВО ДЕНТАЛНАТА МЕДИЦИНА - НОВИ МОЖНОСТИ ЗА ТОЧНОСТ И КВАЛИТЕТ [Љубица Прошева Пеливанова, Сандра Атанасова, Јулија Заркова Атанасова, Катерина Златановска]
09:30-09:45	CORRELATION OF DENTAL MEDICINE STUDENTS' PERFORMANCE IN PRECLINICAL AND CLINICAL COURSES [Riste Timovski, Mihajlo Petrovski]
09:45-10:00	INTRAORAL ELECTROSTIMULATOR FOR RADIATION INDUCED XEROSTOMIA IN PATIENTS WITH HEAD AND NECK CANCER [Sonja Rogoleva Gjurovski, Ljupka Arsovski, Verica Toneva Stojmenova, Lenche Kostadinova, Sanja Nashkova, Marko Mladenovski]
10:00-10:15	ELECTROMAGNETIC INTERFERENCE OF ENDODONTIC EQUIPMENT WITH GASTRIC PACEMAKER [Verica Toneva Stojmenova, Aleksandra Toneva Nikolova, Ivona Kovacevska, Ljupka Arsovski, Sonja Rogoleva Gjurovski, Marko Mladenovski, Sanja Nashkova]
10:15-10:30	DENTAL IMPLANTS ANALYSIS WITH SEM MICROSCOPE [Ljupka Arsovski, Sofija Carčeva Salja, Verica Toneva Stojmenova, Sonja Rogoleva Gjurovski, Marko Mladenovski, Sanja Nashkova]
10:30-10:45	ПРЕДНОСТИ И НЕДОСТАТОЦИ ПРИ УПОТРЕБА НА ЛАСЕР ВО РЕСТАВРАТИВНАТА СТОМАТОЛОГИЈА И ЕНДОДОНЦИЈА [Наташа Лонгурова, Катерина Златановска, Ивона Ковачевска]
10:45-11:00	LASERS AND THEIR APPLICATION IN PEDIATRIC DENTISTRY [Sanja Nashkova, Cena Dimova, Sandra Atanasova, Verica Toneva Stojmenova, Ljupka Arsovski, Sonja Rogoleva Gurovski]



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[Thursday 25.09.2025]

[SESSION 5 - Sustainable Energy]

[Chair: Full Professor Dragan Minovski]

[Co-chair: Full Professor Vasilija Sarac]

[[LINK: ETIMA2025 - SESSION 5](#) | [Meeting-Join](#) | [Microsoft Teams](#)]

11:30-11:45	INCREASE OF ENVIRONMENTALLY RESPONSIBLE BEHAVIOUR THROUGH EDUCATION AND TECHNOLOGICAL INNOVATION [Miroslava Farkas Smitkova, Milan Perný, Peter Morgenstain]
11:45-12:00	A DATA-DRIVEN APPROACH TO REAL ESTATE PRICE ESTIMATION: THE CASE STUDY SLOVAKIA [Julius Golej, Andrej Adamuscin, Miroslav Panik]
12:00-12:15	ANALYSIS OF THE BACKWARD IMPACTS OF A PHOTOVOLTAIC POWER PLANT ON THE DISTRIBUTION SYSTEM [Miroslava Farkas Smitkova, Radovan Šikuda, Michal Vajanský]
12:15-12:30	VARIANT SOLUTIONS FOR A PARKING LOT COVERED WITH PHOTOVOLTAIC PANELS [Milan Perný, Juraj Packa, Vladimír Šály, Robert Irgel, Miroslava Smitkova]
12:30-12:45	COMPARISON OF ENERGY STATUS IN PORTUGAL AND IN SLOVAKIA [Florinda Martins, Miroslava Farkas Smitkova, Lubomir Polonec]
12:45-13:00	DESIGN, ANALYSIS AND IMPLEMENTATION OF PHOTOVOLTAIC SYSTEMS [Sofija Jakimovska, Vlatko Cingoski]
13:00-13:15	BATTERY STORAGE IN TRACTION POWER SUPPLY [Peter Janiga, Juraj Zeman, Miroslava Smitkova, Ivan Bednárík, David Kompan]



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[Thursday 25.09.2025]

[SESSION 6 - Intelligent Safety
Systems]

[Chair: Full Professor Vlatko Cingoski]

[Co-chair: Assistant Professor Biljana Citkuseva Dimitrovska]

[LINK: [ETIMA2025 - SESSION 6](#) | [Meeting-Join](#) | [Microsoft Teams](#)]

13:30-13:45	THE ROLE OF CYBERSECURITY AWARENESS TRAINING TO PREVENT PHISHING [Hristijan Miceski, Dimitar Bogatinov]
13:45-14:00	A REVIEW OF RESOURCE OPTIMIZATION TECHNIQUES IN INTRUSION DETECTION SYSTEMS [Goce Stevanoski, Aleksandar Risteski, Mitko Bogdanoski]
14:00-14:15	APPLICATION OF A ROBOTIC ARM IN A SIMPLE PICK-AND-DROP OPERATION [Darko Bogatinov, Dejan Krstev, Saso Gelev]
14:15-14:30	SIMULATION-BASED PERFORMANCE ANALYSIS OF A SECURE UAV-TO-TOC COMMUNICATION FRAMEWORK IN MILITARY AND EMERGENCY OPERATIONS [Rexhep Mustafovski, Aleksandar Risteski, Tomislav Shuminoski]
14:30-14:45	DIGITALIZATION OF BPM USING THE CAMUNDA SOFTWARE TOOL ON THE EXAMPLE OF THE CENTRAL BANK OF MONTENEGRO [Anđela Iković, Milutin Radonjić]
14:45-15:00	DESIGNING A SECURE COMMUNICATION FRAMEWORK FOR UAV-TO-TOC OPERATIONS IN MILITARY AND EMERGENCY ENVIRONMENTS [Rexhep Mustafovski, Aleksandar Risteski, Tomislav Shuminoski]