



Conference Agenda ETIMA 2023

27-29.09. 2023



HOSTED ONLINE VIA MICROSOFT TEAMS PLATFORM

[Wednesday 27.09.2023]

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[SESSION 1- Power Engineering I]

[Chair: prof. d-r Vasilija Sarac]

[Co-chair: doc. d-r Biljana Citkuseva Dimitrovska]

[LINK: <https://bit.ly/3PFNeqE>]

09:20-09:30	Opening of the conference, welcoming speech of prof. dr. Vasilija Sarac
09:30-09:45	Analytical estimation of optimal PV panel tilt based on clear-sky irradiance model [Elena Golubovska, Biljana Chitkusheva Dimitrovska, Roman Golubovski]
09:45-10:00	Environmental and energy utilization of communal waste-one product, two solutions [Stojche Dimovski, Vlatko Chingoski]
10:00-10:15	Intelligent power module controlled by microcomputer and implemented in AC motor speed regulator [Goce Stefanov, Vasilija Sarac]
10:15-10:30	Comparative environmental analysis between conventional and cogeneration gas- fired central heating systems [Velibor Tasevski, Vlatko Chingoski]
10:30-10:45	Comparative analysis between bifacial and monofacial solar panels using PV*SOL software [Mladen Mitkovski Vlatko Chingoski]
10:45:11:00	Techo-economic evaluation of retrofitting a 210MW Thermal heavy-oil power plant with a photovoltaic solar thermal energy storage system using molten salt: A case study of TEC Negotino [Marija Sterjova, Dragan Minovski]

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[SESSION 2-Power Engineering II]

[Chair: prof. d-r Dragan Minovski]

[Co-chair: prof. d-r Goce Stefanov]

[LINK: <https://bit.ly/3Ri8dkt>]

12:00-12:15	Charging Stations Connected to Street Light Power System [Peter Janiga]
12:15-12:30	Electricity production of PVPP for electricity market [János Kurcz, Jaroslav Longauer, Peter Tóth, Ján Poničan, Peter Janiga]
12:30-12:45	Energy mix of Slovak Republic [Miroslava Farkas Smitkova, Frantisek Janicek]
12:45-13:00	SWOT analysis of hydrogen economy [Miroslava Farkas Smitkova, Dominik Oravec]
13:00-13:15	Physical limitations of dimming of 400W rated halide lamps (a case study) [Magdaléna Kadlečiková, Peter Janiga, Jozef Kadlečík, Jana Raditschová, Dionýz Gašparovský]
13:15-13:30	Функционирање на пазари на електрична енергија: модели на пазари на електрична енергија [Деспина Ристова Делипетрева]

[Thursday 28.09.2023]

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[SESSION 3- Applied electromagnetics] [Chair: prof. d-r Vlatko Cingoski]

[Co-chair: prof. d-r Dragan Minovski]

[LINK : <https://bit.ly/3ED28aT>]

- 09:30-09:45 Easy and fast estimation of thermal stability of HTS magnets under simple situation
[Takanobu Mato, So Noguchi]
- 09:45-10:00 Investigation of turn- to- turn contact resistance of large-scale D- shaped no-insulation high - temperature superconduction magnets to achieve short charging delay and high thermal stability
[Haru Sato, So Noguchi]
- 10:00-10:15 Impact of core saturation on operating characteristics of three-phase squirrel cage motor
[Vasilija Sarac]
- 10:15-10:30 Principles and applications of electrosurgery
[Sonja Rogoleva Grujovski, Verica Toneva Stojmenova, Ljupka Arsovski, Sandra Atanasova, Mihajlo Petrovski, Maja Kukusheva Paneva]
- 10:30-10:45 Molten salt thermal energy storage for renewable energy: system, design, materials, and performance
[Marija Sterjova, Dragan Minovski]
- 10:45:11:00 Денталните ласери- предизвик на современата стоматологија
[Arsovski Ljupka, Petrovski Mihajlo, Terzieva Petrovska Olivera, Toneva Stojmenova Verica, Rogoleva Gjurovski Sonja]
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[Thursday 28.09.2023]

[SESSION 4 - Information technology]

[Chair: prof. d-r Saso Gelev]

[Co-chair: prof. d-r Dalibor Serafimovski]

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[LINK: <https://bit.ly/46c0p85>]

- 12:00-12:15 Analysis on developing native android applications using XML and jetpack compose
[Egzon Milla, Milutin Radonjić]
- 12:15-12:30 Ensuring information security in the digital age
[Rexhep Mustafovski]
- 12:30-12:45 Cloud computing and virtualization: can cloud computing exist separately from virtualization?
[Mirjana Kocaleva Vitanova, Biljana Zlatanovska, Elena Karamazova Gelova, Zoran Zlatev]
- 12:45-13:00 The impact of online teaching on the of dental students' exam success
[Mihajlo Petrovski, Riste Timovski]
- 13:00-13:15 Comparative analysis of standards and methodologies for management of information security risks of technical and electronic systems of the critical infrastructure
[Marjan Zafirovski, Dimitar Bogatinov]
- 13:15-13:30 Учење со помош на мобилни уреди- придобивки и предизвици на новото време
[Мирјана Коцалева Витанова, Елена Карамазова Гелова, Билјана Златановска, Александра Ристеска Камчески]
- 13:30-13:45 Biomechanical behavior of endosonics
[Verica Toneva Stojmenova, Sonja Rogoleva Gjurovski, Ivona Kovacevska, Sanja Naskova, Marko Mladenovski, Ljupka Arsovski]
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[FRIDAY 29.09.2023]

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[SESSION 5- Technique in medical appliances]

[Chair: prof. d-r Goce Stefanov]

[Co-chair: doc. d-r Biljana Citkuseva Dimitrovska]

[LINK : <https://bit.ly/45Yq1Ws>]

10:00-10:15

Transcutaneous electrical nerve stimulation method in patients with xerostomia

[Sonja Rogoleva Gjurovski, Sanja Naskova, Verica Toneva Stojmenova, Ljupka Arsovski, Sandra Atanasova, Maja Kukuseva Paneva]

10:15-10:30

Биотехнолошка процедура на добивање на автолотен дентински графт за стоматолошки и медицински цели

[Буњамин Џафери, Нусрет Џафери, Соња Роголева Ѓуровски, Гордана Ј. Атанасовска]

10:30-10:45

Physiodispenser - and its use in dental medicine

[Arsovski Ljupka, Rogoleva Gjurovski Sonja, Toneva Stojmenova Verica]

10:45-11:10

Дигитални отпечатоци - современ тренд на денешницата

[Љубица Прошева, Сандра Атанасова, Михајло Петровски]

[FRIDAY 29.09.2023]

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[SESSION 6- Automation, machinery, modeling and simulation]

[Chair: prof. d-r Todor Cekerovski]

[Co-chair: prof. d-r Biljana Zlatanovska]

[LINK: <https://bit.ly/3PP29ip>]

12:00-12:15	Design and implementation of SCADA systems [Darko Bogatinov, Saso Gelev]
12:15-12:30	Предности и недостаточи при изведување на online настава по математика [Елена Карамазова Гелова, Мирјана Коцалева Витанова]
12:30-12:45	Algorithmic method in dynamic dosing system based on weight measuring principles [Vladimir Gebov]
12:45-13:00	Implications for the environmental-engineering compromise as a result of Power and Economy tuning a Diesel engine [Nikola Manev, Igor Jovchevski, Dame Dimitrovski, Elenior Nikolov]
13:00-13:15	Autonomous robotic vacuum cleaner [Stefan Jakimovski, Saso Gelev]
13:15-13:30	Modeling and simulation of SEIRV model of N1H1 influenza [Maja Kukuseva Paneva, Natasha Stojkovikj, Aleksandra Stojanova Ilievska]
