

International Conference on Physical Aspects of Environment, ICPAE2024

Technical Faculty "Mihajlo Pupin" in Zrenjanin, University of Novi Sad, Serbia

FIRST DAY, August 30, 2024 (Friday), Technical Faculty "Mihajlo Pupin", Room No. 35	
10.00-10.15	<p style="text-align: center;">Opening of the Conference</p> <p>The ceremonial signing of the agreement on academic and research collaboration between the Faculty of Arts and Design, West University of Timișoara (Romania), and the Technical Faculty "Mihajlo Pupin" Zrenjanin, University of Novi Sad (Serbia).</p>
Chairman – Vasilije Petrović	
10.15-10.45	Wang Hua , The Practice of Chinese-Style Modernization in Xinjiang - Photovoltaic Desertification Control
10.45-11.15	Vasilije Petrovic, Yuqiu Yang, Guoxiang Yuan, Dragan Djordjic, Anita Milosavljevic, Danka Đurđić, Marija Petrovic, Milada Novaković , The Impact of the Textile Sector on the Environment
11.15-11.20	Danka Djurdjic, Vasilije Petrovic, Darko Radovančević, Anita Milosavljevic, Marija Petrovic, Dragan Djordjic , Circular Economy in the Textile Industry by Blockchain Technology
11.20-11.25	Anita Milosavljević, Vasilije Petrović, Darko Radovančević, Guoxiang Yuan, Dragan Đorđić, Danka Đurđić, Marija Petrović, Gebregziabher Kidus Tesfamariam , Sustainable Fashion - the Best Environmentally Friendly Materials for Clothing
11.25-11.30	Guoxiang Yuan, Vasilije Petrović, Qingxin Peng, Dengdeng Li , Enhancing Textile Design Education with AI: A Case Study on Time Efficiency and Student Engagement
11.30-11.35	Zamir Ahmed Awan , The Textile Industry and New Materials: A Comprehensive Analysis
11.35-11.45	Discussion
11.45-11.55	Coffee Break
Chairman – Vasilije Petrović	
11.55-12.25	Eugenia Elena Riemschneider , The Textiles of the Future - Sustainable and Smart Materials in Fashion
12.25-12.30	Dragan Đorđić, Vasilije Petrović, Anita Milosavljević, Darko Radovančević, Danka Đurđić, Marija Petrović , The Impact of the Textile Industry on the Global and Local Ecosystem and How to Support and Encourage Textile Production in Serbia with Preservation of Water Resources
12.30-12.35	Milada Novaković, Guoxiang Yuan, Vasilije Petrović, Darko Radovančević, Anita Milosavljević, Marija Petrović , Valorization of Renewable Materials in the Product Life Cycle
12:35-12:40	Snežana Milošević, Guoxiang Yuan , Sustainable fashion

12.40-12.45	Marija Petrovic, Guoxiang Yuan, Yuqiu Yang, Vasilije Petrovic, Dragan Djordjic, Anita Milosavljevic, Danka Đurđić, Milada Novaković, Digital Textile Printing as an Environmentally Acceptable Technique
12.45-12.50	Bertram Rollmann , Milcho Milchev, Jelena Djukic, Industry: The Case of Pirin-Tex Company
12.50-12.55	Roohollah Bagherzadeh, Advanced Textile Based Piezo-Triboelectric Nanogenerator for Powering Wearable and Implantable Medical Devices
12.55-13.00	Goran Demboski, Silvana Zhezhova, Ruzica Stefkovska Stojanovska, Decreasing Cutting Waste in Apparel Manufacturing
13.00-13:10	Discussion
13:10-14.00	Pause
Chairman – Mila Kavalić	
14.00-14.05	Mihalj Bakator, Dragan Čočkalo, Sanja Stanisavljev, Edit Terek Stojanović, Verica Gluvakov, The Impact of Zero-Waste Initiatives on Consumer Behavior and Business Models
14.05-14.10	Mihalj Bakator, Luka Đorđević, Borivoj Novaković, Stefan Ugrinov, Mića Đurđev, Velibor Premčevski, Basic Priorities for Realizing the Vision of Sustainable Development of Companies in Serbia
14.10-14.15	Edi Darusi, Heidegger's Critique of Industrial Capitalism
14.15-14.20	Edi Darusi, From Industrial to Surveillance Capitalism
14.20-14.25	Verica Gluvakov, Mihalj Bakator, Mila Kavalić, Stefan Ugrinov, Snežana Mirković, Impacts of extreme space weather events: ionosphere and primary cosmic rays
14.25-14.30	Stefan Ugrinov, Mihalj Bakator, Sanja Stanisavljev, Edit Terek Stojanović, Mila Kavalić, Verica Gluvakov, Supply Chain Management in the Age of Climate Change: Challenges and Opportunities for Sustainable Practices
14.30-14.35	Igor Vecštejn, Nemanja Tasić, Tamara Milić, Investigation of the Impact of Mobile Applications on Awareness of Environmental Issues
14.35-14.40	Tamara Milić, Igor Vecštejn, Nemanja Tasić, E-Learning Platforms for Education in Environmental Physics
14.40-14.45	Tamara Milić, Igor Vecštejn, Nemanja Tasić, Exploring Technology's Role in Physics Education
14.45-14.50	Nemanja Tasić, Dragana Glušac, Igor Vecštejn, Miodrag Kovačević, Tamara Milić, Enhancing Sustainability Awareness through Educational Technology
14.50-14.55	Nemanja Tasić, Dragana Glušac, Vesna Makitan, Igor Vecštejn, Miodrag Kovačević, Tamara Milić, Gamifying Environmental Literacy: Advancing Ecological Understanding through Interactive Digital Learning
14.55-15.00	Nemanja Tasić, Igor Vecštejn, Miodrag Kovačević, Tamara Milić, Mila Kavalić, Maja Gaborov, Snežana Jokić, Integrating Environmental Physics into Education: Bridging Theory and Practice for Sustainable Solutions
15.00-15.10	Discussion
15.10-15.20	Coffee Break
Chairman – Darko Radovančević	
15.20-15.40	Marina Poje Sovilj, Vanja Radolić, Igor Miklavčič, Denis Stanić, Goran Šmit,

	Correlation between Geology and Radon in Soil Gas as well as GRP in Croatia
15.40-15.50	Radoslav Dekić, Svjetlana Lolić, Dragana Malivuk Gak , Water Quality of the Una River in the city of Novi Grad
15.50-16.00	Vladimir Petrovic , The Impact of Negative and Positive Feedback Loops on the Earth's Climate
16.00-16.10	Nenad Grković, Maksim Mičeta, Dobroslav Sljepčević , Society of Physicists of Eastern Herzegovina
16.10-16.20	Teodora Crvenkov Marković, Milan Marković, Darko Radovančević , Sustainable Diets: Bridging the Gap Between Human Health and Environmental Stewardship
16.20-16.30	Iris Borjanović, Valentina Mladenović, Milada Novaković, Tanja Sekulić , Long-Term Parallel Radon Concentration Measurement at TCAS
16.30-16.40	Discussion

SECOND DAY, August 31, 2024 (Saturday), Technical Faculty "Mihajlo Pupin", Room No. 35	
Chairman – Jasna Tolmač	
09.00-09.20	Eva Klemenčič, Petra Cajnko, Damjan Osrajnik, Dominik Robič, Robert Repnik , Gamification as Support in Teaching Physics and Mathematics for Developing Digital and Sustainable Competences
09.20-09.40	Ljubisa Nestic, Darko Radovancevic, Ivana Krulj , Environmental Physics as a Teaching Subject in Serbia
09.40-09.50	Darko Radovancevic, Jasna Tolmac, Milan Markovic, Anita Milosavljevic, Danka Djurdjic, Ranko Radovancevic, Teodora Crvenkov Markovic , Energy and Its Non-Renewable Sources in the Environment
09.50-10.00	Darko Radovancevic, Ljubisa Nestic, Nadiia Bukhonka, Ineta Nemesa, Marija Pesic, Valentina Bozoki , Green Energy Opportunity
10.00-10.10	Discussion
10.10-10.20	Coffee Break
Chairman – Ljubiša Nešić	
10.20-10.40	Darko Radovancevic , From Planck's Quantum Hypothesis to the Planck Temperature of Planets
10.40-10.50	Jasna Tolmac, Milan Markovic, Darko Radovancevic, Slavica Prvulovic , Sensors in the System of Industrial Automation and Regulation of Physical Parameters
10.50-11.00	Diana Mance , Stable Isotopes of Water and Managed Aquifer Recharge
11.00-11.10	Natalija Nikolić , GIS-Based AHP Analysis for Solar Power Plant Location Suitability in The City of Pirot, Serbia
11.10-11.20	Luka Đorđević, Borivoj Novaković, Mihalj Bakator, Stefan Ugrinov, Velibor Premčevski, Mića Đurđev, Dalibor Šeljmeši , Renewable Energy Potential and Utilization in Vojvodina, Serbia: Opportunities and Challenges
11.20-11.30	Darko Radovančević, Iris Borjanović Trusina , Long-Term Radon Level Measurement at TFZR
11.30-11.40	Milan Marković, Jasna Tolmač, Darko Radovančević, Borivoj Novaković, Marko Blažić, Katarina Vignjević, Uroš Šarenac , Enhancing Safety and Environmental Protection through Effective Maintenance and Diagnostics of Blowout Preventers
11.40-11.50	Lambe Barandovski, Robert Šajin, Trajče Stafilov, Aneta Gacovska – Barandovska , Assessment of the Environmental Gamma Dose Rate in Macedonia
11.50-12.00	Discussion

12:00-12:10	Closing of the Conference
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