



# TSD 2022

International Conference  
TOWARDS SUSTAINABLE DEVELOPMENT  
Mother Teresa University

<https://conference.unt.edu.mk>



01.December.2022

## AGENDA – for Thursday, (01 .1 2 . 2 0 22)

11:30 – 12:00	<b>REGISTRATION - LOCATION MTU 6<sup>th</sup> Floor Conference Room</b>
12:00 – 13:00	<b>Ceremonial Part of the Conference is with Physical Attendance</b>
5 min	Organizing Conference General Chair   Prof. Dr. Bekim Fetaji
5 min	UNT Rector – Opening Speech for the Conference   Prof. Dr. Izet Zeqiri
10 min	Minister of Education and Science   Dr. Jeton Shaqiri
10 min	Minister of Informatics and Administration   Admirim Aliti
12:45 – 13:00	UNT Rector - <i>Delivering Certificates for Speakers</i>   Prof. Dr. Izet Zeqiri
13:00 – 13:30	BREAK
<b>Academic Part Of The Conference</b>	
13:30 – 16:00	– All session will be one after the other at 6 <sup>th</sup> Floor Conference Room and the others ONLINE at 304 classroom. Online is using Video Links below in Google Meet NOTE: (Please, firstly log in into your email and then click on the ink to connect to your session.)
13:30 – 14:00	<b>Session 1 -Physical - The role of Technical Developments for Economic Sustainability</b>
14:00 – 14:30	<b>Session 2-Physical - Sustainable Planning in Context of Urbanization, Spatial Planning and Architecture</b>
14:30 - 14:40	<b>Session 3: -Physical - Sustainable development through Innovation and ICT</b>
14:40 – 15:40	<b>Session 4-Physical - Impact of Contemporary Technologies on Sustainable Development</b>
15:40 – 16:30	<b>Session 5: -Physical - Sustainability in Social Context, Education and Miscellaneous</b>
13:30 – 16:00	<b>Session 6: ONLINE Presentations – @ Classroom 304 (Third floor UMT)</b> Online Video Conference Link 1: <a href="https://meet.google.com/xam-xtav-ccj">https://meet.google.com/xam-xtav-ccj</a>
14:30 - 14:40	<b>Session 7: POSTER Session at 6<sup>th</sup> floor Conference Room – together with session 3</b>

Timing	Session 1 - The role of Technical Developments for Economic Sustainability	Chairs: Teuta Zenku, Monika Lutovska, Olivera Petrovska, Bujamin Bela
<b>13:30 - 14:00</b>	Each presentation has 10 minutes and 2-5 minutes for Questions and Answers after the presentation	
<p>■ <b>Keynote Speaker Prof.Dr. Izet Zeqiri / Prof.Dr. Bujamin Bela</b></p>		
1	1. Bujamin Bela; Mother Teresa; bujamin.bela@unt.edu.mk 2. Izet Zeqiri, Mother Teresa; izet.zeqiri@unt.edu.mk	Impact of Leadership Styles (Transactional vs. Transformational) on Employee Motivation in the SME in North Macedonia
2	Blerta Kondri, Mother Theresa University, blerta.kondri@unt.edu.mk, Arbresh Raveni, Mother Theresa University, arbresh.raveni@unt.edu.mk	Economic effects of the Covid-19 pandemic on the global economy
3	1) Albina Mucha, Mother Teresa University, North Macedonia, (albina.muca@unt.edu.mk) 2) Monika Lutovska Mother Teresa University, North Macedonia, (monika.lutovska@unt.edu.mk)	THE CHALLENGES AND OPPORTUNITIES OF NORTH MACEDONIAN COMPANIES DURING THE TRANSITION FROM OHSAS 18001 TO ISO 45001
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<p><b>Round Table Q &amp; A Session for all presentation</b></p>		

Timing	Session 2: - Sustainable Planning in Context of Urbanization, Spatial Planning and Architecture, Ecology	Chairs: Urime Demiri-Shaipi, Radmila Tomovska, Mile Srbinovski
<b>14:00 - 14:30</b>	Each presentation has 10 minutes and 2-5 minutes for Questions and Answers after the presentation	
<b>- Keynote Speaker Prof.Dr. Iva Petrunova</b>		
1	Katerina Despot University "Goce Delchev" - Stip, R. Macedonia Vaska Sandeva ,University "Goce Delchev" - Stip, R. Macedonia, Vladica Nikolovska University "Goce Delchev" - Stip, R. Macedonia	THE INFLUENCE OF INDUSTRIAL DESIGN ON RESIDENTIAL SPACES
2	Katerina Despot-University "Goce Delchev" - Stip, R. Macedonia, Vaska Sandeva - University "Goce Delchev" - Stip, R. Macedonia, Vladica Nikolovska- University "Goce Delchev" - Stip, R. Macedonia	THE CONNECTION BETWEEN INDUSTRIAL DESIGN AND ADMINISTRATIVE FACILITIES
3	Radmila Tomovska PhD; Faculty of Architecture and Civil engineering at University Mother Teresa – Skopje, N.RM; Iva Petrunova PhD NGO GRADOT UBAV Skopje, NRM, Hekuran Musli, Faculty of Architecture and Civil engineering at University Mother Teresa – Skopje, N.RM.	“ECO FEATURES” RECOGNIZED AS SUSTAINABLE URBAN STRATEGIES APPLICABLE IN THE NEGLECTED AREA IN THE CITY OF SKOPJE
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<b>Q &amp; A Session for all presentation</b>		

Timing	Session 3: - Sustainable development through Innovation and ICT	Chairs: Stojan Kitanov, Musa Fejzulov, Shpëtim Rexhepi,
<b>14:30 - 14:50</b>	Each presentation has 10 minutes and 2-5 minutes for Questions and Answers after the presentation	
<b>Keynote Speaker Prof.Dr. Bekim Fetaji</b>		
1	Bekim Fetaji <sup>1</sup> , Majlinda Fetaji <sup>2</sup> , Mirlinda Ebibi <sup>3</sup> , Shpetim Latifi <sup>4</sup> <sup>1</sup> Mother Teresa University, North Macedonia, (bekim.fetaji@unt.edu.mk) <sup>2</sup> South East European, North Macedonia, (m.fetaji@seeu.edu.mk) <sup>3</sup> Mother Teresa University, North Macedonia, (mirlinda.ebibi @unt.edu.mk) <sup>4</sup> Ministry of Education and Science, North Macedonia, (shpetim.latifi@mon.gov.mk)	Analyses Of The Digitalization Process and Formal Definition of Computation
2	1) Bilal I. SHAINI <sup>1</sup> , Department of Mathematics, Faculty of Applied Sciences, University of Tetova, NMK 2) Shpëtim REXHEPI, Mother Teresa University, Skopje, NMK	Identification and Construction of Some Special Classes of Self-Complementary Graphs
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<b>Q &amp; A Session for all presentation</b>		

Timing	Session 4: - Impact of Contemporary Technologies on Sustainable Development	Moderators and Chairs: Suzana Jordanovska, Nora Limani, Olga Popovska
<b>14:50 - 15:40</b>	Each presentation has 10 minutes and 2-5 minutes for Questions and Answers after the presentation	
<b>Keynote Speaker Prof.dr. Olga Popovska</b>		
1	Mirjeta Ilazi, Prof.dr. Atanas Kochov Faculty of Mechanical Engineering – Skopje, Rep. of North Macedonia E-mail: mirjetailazi.mi@gmail.com; atanas.kochov@mf.edu.mk	Defining indicators of sustainable development in the food industry
2	Faculty of Technological Sciences at “Mother Teresa” University in Skopje, Republic of North Macedonia (olga.popovska@unt.edu.mk), (arjan.ganiji@unt.edu.mk)	A Sustainable Method for Textile Coloring Using Natural Dyes
3	Vladimir Kitanovski Faculty of Technological Sciences; Mother Teresa University Skopje; Sani Demiri Faculty of Technological Sciences; Mother Teresa University Skopje; Olga Popovska Faculty of Technological Sciences; Mother Teresa University Skopje	Smart TTI coupled with NIR technology for development of safety food cold chain
4	Erzen Krasniqi, University "Haxhi Zeka" Peja, erzenkrasniqi@hotmail.com; Vjosa Haxhijaj, University "Haxhi Zeka" Peja, haxhijajvjosa@gmail.com; Bekim Lajqi, University "Haxhi Zeka" Peja, bekim.lajqi@gmail.com; Sokol Morina, University "Haxhi Zeka" Peja, infopeja@gmail.com;	How Big Data Helps to Prevent the Spread of Tuberculosis – A Case Study: SIM TB
5	"Erënesa Gorçaj <sup>2</sup> , Arbenita Hasani <sup>1</sup> , Senad Muçaku <sup>2</sup> , Ermiona Ahmetaj <sup>1</sup> , Karsten Giffey <sup>3</sup> , Driton Sylejmani <sup>1</sup> , Bledar Bisha <sup>4</sup> , Afrim Hamidi <sup>1</sup> <sup>1</sup> University of Prishtina "Hasan Prishtina", <sup>2</sup> Food and Veterinary Agency of Kosovo, <sup>3</sup> European College of Veterinary Public Health subsp. FS, <sup>4</sup> Department of animal science, University of Wyoming-USA	Prevalence of Listeria monocytogenes in a variety of meat products and the meat processing environment
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<b>Q &amp; A Session for all presentation</b>		

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Timing	Session 5: Sustainability in Social Context, Education and Miscellaneous	Moderators and Chairs: Drenusha Kamberi, Fati Iseni
<b>15:40 - 16:30</b>	Each presentation has 10 minutes and 2-5 minutes for Questions and Answers after the presentation	
<b>Keynote Speaker Prof.Dr. Tatiana A. Pachemska</b> - Learning mathematics using digital tools		
1	1. Fati Iseni, Mother Teresa University Skopje, Fati.iseni@unt.edu.mk 2 Agim Jakupi, Mother Teresa University Skopje, Agim.jakupi@unt.edu.mk	Intercultural dialogue as a preventive premise
2	1. Hava Rexhepi, Mother Theresa, hava.rexhepi@unt.edu.mk 2. Daniel Pavlovski, Mother Theresa, daniel.pavlovski@unt.edu.mk 3. Aleksandar Petkovski, Mother Theresa, aleksandar.petkovski@unt.edu.mk	The standard of living as a challenge in the care of the elderly
3	Albina Mucha, Mother Teresa University, North Macedonia, (albina.muca@unt.edu.mk) Monika Lutovska, Mother Teresa University, North Macedonia, (monika.lutovska@unt.edu.mk)	EVALUATION OF NORTH MACEDONIA'S HIGH SCHOOL STUDENT KNOWLEDGE ABOUT CLIMATE CHANGE AND RENEWABLE ENERGY
4	Genti Rechi, University Mother Teresa in Skopje,	Economic and financial crime: New trends in the fight against this type of crime
5	1) Stevan Kjosevski, Mother Teresa University, Skopje, N. Macedonia, stevan.kjosevski@unt.edu.mk; 2) Monika Lutovska, Mother Teresa University, Skopje, N. Macedonia, monika.lutovska@unt.edu.mk; 3) Albina Mucha, Mother Teresa University, Skopje, N. Macedonia, albina.muca@unt.edu.mk;	Curriculum Development for Education Towards Sustainable Development – A Real Example
6	Ana Atanasova - Faculty of computer sciences and engineering, University Ss Ciril and Methodius Skopje/University of Aveiro, Portugal; Zoran Trifunov - University Mother Theresa Skopje, Marina Grubelic - OS Vodice, Croatia; Camelia Barbaru - PS Ion Agarbiceanu, Alba Iulia, Romania; Gregory Makrides - Cyprus Mathematical Society, Cyprus; Ana Herranz Zentarski - Open Europe, Reus, Spain	Excellence in Math education in inclusive classroom through e-Debate and Diversity
7	1)Tatiana A. Pachemska, Goce Delcev University, Stip , Republic of North Macedonia, tatjana.pacemska@ugd.edu.mk, 2) Dobri Jovevski, "Ilinden" Municipality Primary School, Kriva Palanka, Republic of North Macedonia, dobri.jovevski@gmail.com, 3) Violeta Popovska, "Vera Jocikj " Municipality Primary School, Gazi Baba, Skopje, Republic of North Macedonia, popovskaviki@yahoo.com and 4) Zoran Trifunov, Mother Teresa University, Skopje , Republic of North Macedonia, zoran.trifunov@unt.edu.mk	Learning mathematics using digital tools - digitization of the materials for learning -
8	Izet Zeqiri1, Bekim Fetaji 2 1 Mother Teresa University, North Macedonia, (izet.zeqiri@unt.edu.mk) 2 Mother Teresa University, North Macedonia, (bekim.fetaji@unt.edu.mk)	Analyses of Brain Drain, Causes, Losses And Opportunities
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<b>Q &amp; A Session for all presentation</b>		

Timing	Session 6: ONLINE	Moderators and Chairs: Albina Mucha, Arta Xhelili, Stojan Kitanov
13:30 - 16:00	Each presentation has 10 minutes and 2-5 minutes for Questions and Answers after the presentation Online Video Conference Link 1: <a href="https://meet.google.com/xam-xtav-ccj">https://meet.google.com/xam-xtav-ccj</a>	
<b>Keynote Speaker Prof.Dr. Ozcan Asilkan – Digital Transformations</b>		
1	Riste Timovski, Tatjana A. Pachemska, Dean Iliev	Evaluation model for the Qualification standard: Teacher in higher education, related to both academic title and scientific field of the teacher
2	Bukurie Imeri-Jusufi1, Blerta Kondri 2, Arben Jusufi 3	Public procurement in the schools of the Republic of North Macedonia
3	Miki Runtev	The dynamics of digitization on financial markets in pandemic conditions
4	Zoran Gacovski, Blerim Sulejmani, Ridvan Ali	Trajectory-following Algorithm for Arduino Mobile Robot
5	Aleksandar Velinov, Zoran Zdravev, Aleksandra Nikolova	Optimization of Cloud Costs
6	Mirjana Kocaleva Vitanova, Elena Karamazova, Biljana Zatanovska Gelova,	How Recommendation Algorithms Know What You'll Like
7	Elena Karamazova Gelova1, Mirjana Kocaleva Vitanova2	The role of ICT tools in teaching mathematics
8	1) Arbnor Rushiti, SEEU University, Tetovo/Republic of North Macedonia, ar26730@seeu.edu.mk and arbnor.rushiti@unt.edu.mk	An Automated Ranking Model of Higher Education Institutions and Academic Staff in the Republic of North Macedonia
9	Musah Fejzulov, Monika Lutovska, Zoran Trifunov	Strengthening the Society Awareness for the Municipal Waste Management in North Macedonia
10	Pavel Taskov, Ljubinka Gjergeska Sandjakoska	Improving energy monitoring for personal use with AI powered energy disaggregation and predictions, Macedonian pilot study and overview
11	Majlinda Fetaji1, Festim Halili 2, Bekim Fetaji 3, Mirlinda Ebibi 4	Analyses and Comparison Of The Turing Reduction And Mapping Reduction
12	Natasha Stojkovikj 1, Limonka Koceva Lazarova 2, Maja Kukuseva Paneva 3, and Aleksandra Stojanova Ilievaska 4	Mathematical modeling as a powerful tool for description of many processes in nature and society
13	1. Edona Vinca, 2. Rilind Mahmudi, 3. Majlinda Ismaili Mahmudi	A corpus-based functional analysis of the usage of Macedonian marker pa by high officials in statements during COVID-19
14	Noli Osmani 1, Monika Lutovska 2, Albina Mucha 3	ANALYSIS OF SURVEY REGARDING OSH KNOWLEDGE IN AGRICULTURE IN DEBAR, NORTH MACEDONIA
15	MSc Sanja Pavlova	IMPACT OF COVID-19 PANDEMIC ON ORGANIZATIONAL BEHAVIOR AND MENTAL HEALTH OF EMPLOYEES IN HIGHER EDUCATION INSTITUTIONS
16	1) Raim Jashari 2) Shaban Sulejmani 3) Hasan Asani	VIOLENCE AGAINST CHILDREN AS A "PRODUCT OF VIOLENT DOMESTIC CRIME" POTENTIAL RISK FOR DISAPPEARANCE OF GENERAL SOCIAL WELFARE
17	Daniela Stanojkovska 1, Daniel Pavlovski2	The professionalization of Social Work: Comparative study
18	Fadil Zendeli	The Process of Post-legislative Scrutiny in the Assembly of the Republic of North Macedonia
<b>Q &amp; A Session for all presentation</b>		

Timing	<b>Session 7: POSTER Session</b> Will be at the same with Session 3	<b>Moderators and Chairs:</b> <b>Stojan Kitinov, Musa Fejzulov, Shpëtim Rexhepi,</b>
<b>14:30 - 15:00</b>	Each presentation has 10 minutes and 2-5 minutes for Questions and Answers after the presentation	
1	1) Monika Lutovska, Mother Teresa University in Skopje, monika.lutovska@unt.edu.mk; 2) Vladimir Mijakovski, University St. Kliment Ohridski in Bitola, vladimir.mijakovski@tfb.uklo.edu.mk; 3) Albina Mucha, Mother Teresa University in Skopje. albina.muca@unt.edu.mk.	Strengthening of Social Dialogue as a Tool of Creating more and better Workplaces
2	1.Nikola Simeonovski, student at University Mother Teresa, Faculty of Technical Science 2.Olivera Petrovska, University Mother Teresa Skopje, olivera.petrovska@unt.edu.mk 2.Andon Petrovski, 24ING dooel Bitola, 24ingbt@gmail.com 3.Darko Spasenovski, 24ING dooel Bitola, 24ingbt@gmail.com	Strengthening the Society Awareness for the Municipal Waste Management in North Macedonia
3	Vesna Dimitrievska Ristovska Faculty of Computer Science and Engineering, "Ss. Cyril and Methodius" University, Skopje, Macedonia vesna.dimitrievska.ristovska@finki.ukim.	Improving energy monitoring for personal use with AI powered energy disaggregation and predictions, Macedonian pilot study and overview
4	Olivera Petrovska, University Mother Teresa Skopje, Republic of North Macedonia, olivera.petrovska@unt.edu.mk Ivica Stoilovski, PE Parking of the Municipality Center, Republic of North Macedonia, stoilovskiivica@gmail.com Andon Petrovski, 24 ING dooel Bitola, Republic of North Macedonia, 24ingbt@gmail.com	The role of IT in the pandemic-education
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<p><b>Q &amp; A Session for all presentation</b></p>		