

Program of the Conference

Milanković's Theory on Climate Change, Hundred Years Afterwards

Venue: Lecture Hall Milutin Milanković (earlier name: *Amfiteatar 225*), Second floor, Faculty of Civil Engineering, Bulevar Kralja Aleksandra 73, Belgrade, Serbia

Day 1. Monday 4th November 2024	
09:00 – 10:00 Registration of participants	
Session 1: Opening and Keynote Talks	
10:00 - 11:00	Opening session <i>Note: Only this session will be bilingual</i>
	Excerpts from the film on Milutin Milanković* A traveller through centuries and the universe , 3 min <i>*Milutin Milanković: doctor of technical sciences, mathematician, astronomer, climatologist, geophysicist, civil engineer, and university professor</i>
	Opening address: Slavko Maksimović, President and founder of the Association Milutin Milanković
	Welcome address: Branislav Bajat, Dean of the Faculty of Civil Engineering, UoB
	Address: Nenad Filipović, Director of the Science Foundation of Serbia
	Opening of the Conference: Zoran Knežević, President of the SASA, Serbian Academy of Science and Arts (<i>САНУ, Српска академија наука и уметности</i>)
11:00-12:00	Keynote Talks - Introduction to Thematic Areas of the Conference Session Chairperson: Fedor Mesinger
Theme 1: 11:00-11:20	Qiuzhen Yin: Astronomically triggered abrupt cooling at the end of interglacials and implication for the future
Theme 2: 11:20-11:40	Slobodan P. Simonović: "Quantitative Measure of Resilience to Climate Change-Induced Flooding"
Theme 4: 11:40-12:00	Čedo Maksimović Advances in quantification of micro-climate conditions' impacts on public health and wellbeing /Extrapolation of the paper: Haotian Zhang, Stanislava Bošković, Anastasios Temenos, Aikaterini Angeli and Čedo Maksimović: Assessment of health impacts and benefits of vegetation species used in BGS environment
12:00 – 13:30 Conference lunch break (Luncheon)	
13:30 – 15:10	Theme 1: Climate of the Past, What Happened and Why? Keynote Talks Session Chairperson: Fedor Mesinger
13:30-13:50	Stefano Pierini: The deterministic excitation paradigm and the late Pleistocene glacial terminations
13:50-14:10	Dragan Latinović, Ute Merkel, and Matthias Prange: Complex interplay between different forcing factors defines the deglacial AMOC evolution
14:10-14:30	Slobodan Marković: Milanković cycles recorded in Serbian loess-paleosol sequences
14:30-14:50	Zhengyao Lu: Orbital forcing of the El Niño–Southern Oscillation evolution
14:50-15:10	Hai Cheng: Milankovitch Theory and Asian Monsoon - Insights from Asian Cave Records

15:10 – 15:40	Coffee break
15:40 – 18:40	Theme 2: Adaptation and Resilience to Climate Change Session Chairperson: Zoran Stevanović
	15:40-15:55 Ivan Živanović: The relationship between solar activity and climate changes on Earth
	15:55-16:10 Zhengyao Lu: Impacts of large-scale Sahara solar farms on global climate, terrestrial ecosystem and solar potential
	16:10-16:25 Francesco Fiorillo: Spring discharge time series and climate change
	16:25-16:40 Attila Kovács: Assessment of the impacts of climate change on spring discharge by a combined stochastic-analytical method, Aggtelek karst area, Hungary
	16:40-16:55 Zoran Stevanović: Impact of recent drought cycle in Serbia on groundwater – effects and possible mitigation measures
	16:55-17:10 Marko Sedlak, Tanja Srejić and Sanja Manojlović: Air temperature trends in Eastern Serbia
	17:10-17:25 Milovan Radmanovac, Marina Babić: Distribution of hail and hail damage in Serbia for period 2010-2020
	17:25-17:40 Marina Babić, Laura Chica, Milovan Radmanovac, Tin Lukić, Slobodan B. Marković and Ivana Cvijanović: Describing the change in perceived heat stress over Serbia from 1982 to 2021
	17:40-17:55 Nina Čegar, Stefanija Stojković, Nikola Stančić, Jelena Luković: Earlier onset of the spring in Serbia (1950-2020)
	17:55-18:10 Albert Ruman, Anna Ruman: Modelling climate types in South Pannonian Basin, Serbia by applying the Köppen–Geiger climate classification
	18:10-18:25 Albert Ruman, Anna Ruman: Köppen–Geiger Climate Classification in the Pannonian Basin According to SSP5-8.5 Scenario
	18:25-18:40 Dušica Jovanović, Vladimir Čurić: Application of GIS in identifying drought-prone areas – A case study of Vladičin Han municipality
	19:30
Day 2. Tuesday 5th November 2024	
9:30 -11:00	Theme 2: Adaptation and Resilience to Climate Change- Part 2 Session Chairperson: Ana Vuković Vimić
	9:30-9:45 Zhongbo Yu: Challenges in water security and sustainable development: science advance and adaptation
	9:45-10:00 Gordon McBean. Addressing the Impacts of a Changing Climate - Adaptation and Resilience Complexities
	10:00-10:15 Miloš Tomić, Dušan Kesić: Modern strategies for mitigating the consequences of climate change
	10:15-10:30 Ana Vuković Vimić, Mirjam Vujadinović Mandić, Zorica Ranković Vasić, Dejan Đurović, Željko Dolijanović, Marija Ćosić, Ljubomir Životić, Aleksa Lipovac, Aleksandar Simić, Dragan Stanojević, Danijela Božanić, Ana Repac: From science to policy: climate change risks assessment and adaptation planning in agriculture in Serbia

10:30-10:45	Anna Domaradzka, Mikołaj Biesaga, Ewa Domaradzka, Magdalena Kołodziejczyk: The right to a healthy city – from residents’ needs to better planning
10:45-11:00	Ljiljana Brašanac-Bosanac, Tatjana Ćirković-Mitrović, Nevena Čule, Goran Češljar, Branka Pavlović: Innovative approach to forest management to mitigate the impacts of climate extremes in forest ecosystems in Serbia
11:00-11:30	Coffee break
11:30 – 12:15	Theme 2: Adaptation and Resilience to Climate Change ..continued Session Chairperson: Ana Vuković Vimić
11:30-11:45	Andrijana Stanković: Strategies for rural area development in the context of changing climate conditions
11:45-12:00	Uroš Davidović: Utilizing the Desinventar Database for Risk Assessment of Atmospheric Hazards in Serbia
12:00-12:15	Abhishek Gaur: Projected future potential moisture damage in buildings over Canada
12:15 – 13:00	Theme 3: Milanković’s theory and evolution of past Session Chairperson: Petar Kočović
12:15-12:30	Slobodan Ninković: On how much Milanković and his climate theory were known in our milieu
12:30-12:45	Stela Filipi Matutinović: The Influence of Milankovitch Cycles on species geographical distribution, evolution and ecology
12:45-13:00	Dragoljub P. Antić: Reconstruction and evolution of the past, civilization development, human population development and migration – Using Milanković’s theory of Climate Change
13:00 – 14:00	Conference lunch break (Luncheon)
14:00 – 15:45	Theme 4: Climate Change, and Public Health and Wellbeing Session Chairperson: Čedo Maksimović
14:00-14:15	Maria Kalpouzani, Anastasios Doulamis, Nikolaos Doulamis, Aikaterini Angeli-Doulami, George Kopsiaftis, Andreas M. Lazaris, Milena Vasić, Dragana Jovanović, Predrag Savić, Sanja Ivanković, Stanislava Bošković and Čedo Maksimović: Intermediate results of the project: HEALTHIER CITIES through Blue-Green Regenerative Technologies: the HEART Approach
14:15-14:30	Sanja Ivanković, Dragana Jovanović, Predrag Savić, Milena Vasić, Vesna Karadžić: Clinical and non-clinical methods of monitoring the impact of environmental and microclimatic conditions on public health and wellbeing: the HEART project
14:30-14:45	Maja Stošić, Snežana Jovanović Srzentić: Review of epidemiological methods of measuring the influence of local microclimatic conditions on public health and wellbeing
14:45-15:00	Vesna Karadžić, Jelena Knežević, Dragana Jovanović: Climate changes and winter cyanobacterial blooming in Serbian waterbodies
15:00-15:15	Anna Domaradzka, Mikołaj Biesaga, Magdalena Roszczyńska-Kurasińska, & Ewa Domaradzka: Measuring the impact of Nature-Based Solutions on citizens’ health and well-being: risks and challenges of using wearable devices



15:15-15:30	Jasminka Smailagić: Biometeorological forecast as a factor of adaptation to climate change in the domain of health and human behaviour
15:30-15:45	Ana Savović, Uroš Davidović, Mirjana Milenković: The Assessment of Temperature Impacts on Mortality in Belgrade
15:45—16:15	Coffee break
16:15 – 17:00	Special – Complementary session: Theme: In the search of the links between Climate Change and DNA evolution Session Chairperson: Čedo Maksimović
16:15-16:30	Anatole A. Klyosov: DNA Genealogy and Ancient History of the Serbs
16:30-16:45	Vladimir Kočović: Case Study No 1: The analysis of own DNA at the Dante Labs and the DNA Center for Genetics
16:45-17:00	Vojislav Simonović: Case Study 2: DNA study, Analysis of the Y DNA family tree
17:00	Closing the conference: Slavko Maksimović