



FQCE



Влада Републике Српске
Министарство здравља и социјалне заштите

Fund for Quality Culture and Excellence (FQCE), Belgrade,
Braincon technologies, Vienna and
Public Healthcare Institution Hospital 'Sveti Vračevi' Bijeljina,
under the patronage of
the Ministry of Health and Social Welfare of the Republic of Srpska,
are organizing:

INTERNATIONAL CONFERENCE

FUTURE vs. PRESENT IN MEDICINE DIGITALIZATION – ARTIFICIAL INTELLIGENCE

**Ethno Village Stanišici and PHI Hospital 'Sveti Vračevi' Bijeljina
August 31st and September 1st, 2023.**

Two-day scientific-practical conference is intended for the exchange of knowledge, ideas, and experiences among leading experts, scientists, researchers, and practitioners from the country and abroad.

It would be our honour to host you, to enrich the conference with your presence and participation, and help us create a productive and inspiring platform for further development in this important area

This conference is **accredited** by the Ministry of Health and Social Welfare of the Republic of Srpska (Decision No. 11/04-500-24-122/23). Participants will receive **certificates** with points, active participation carries **15 points** for the first author, **6 points** for other authors, while passive participation carries **6 points**.

During the conference, it is planned to open **the Center for Artificial Intelligence at the PHI 'Sveti Vracevi' Bijeljina** where further application of artificial intelligence is planned.

THE FUTURE HAS BEGUN. WE SHOULD PARTICIPATE.

Apply, the number of participants is limited.

Early registration until 17.08.2023.

PROGRAM

Thursday, August 31st 2023

10:00 – 11:00 Participant arrival / Registration

A Welcome Cocktail

11:00 – 11:30 Welcome Speeches and Conference Opening

The Development of Digitalization and Artificial Intelligence – Perspectives for Healthcare Sector

Moderators: Prof. Dr. Miloš Jelić, Prof. Dr. Miodrag Todorović

11:30 – 11:50	Prim.Dr. Milan Latinović, Assistant Minister, Ministry of Health and Social Welfare of the Republic of Srpska, Republic of Srpska	With Renewal and Modernization towards Digitalization and Artificial Intelligence in the Healthcare System of the Republic of Srpska
11:50 – 12:05	Prof. Dr. Zlatko Maksimović, PHI Hospital 'Sveti Vračevi', Republic of Srpska	In Step with Changes, for the Benefit of the Patient
12:05 – 12:25	Prof. Dr. Miodrag Todorović, Panafricare Clinic, Seychelles	The future started yesterday
12:25 – 12:45	Prof. dr. Dejan Bokonjić, The Dean Faculty of Medicine Foca, University of East Sarajevo, Republic of Srpska	Artificial Intelligence: Personalized Medicine and Computer-Supported Learning Solutions for Education
12:45 – 13:00	Prof. Dr. Miloš Jelić, PhD, FQCE, Serbia	Industry 4.0 as a Framework for the Development of Digitalization and Artificial Intelligence
13:00 – 13:20	Prof. Dr. Nebojša Tasić, Institute for Cardiovascular Diseases 'Dedinje', Belgrade, Serbia Ass. Prof. Dr. Danijela Tasić, Institute for Cardiovascular Diseases 'Dedinje', Belgrade, Serbia	Utilization of Artificial Intelligence in the Diagnosis and Treatment of Arterial Hypertension
13:20 – 13:40	Prof. Dr. Miodrag Ivanović, PhD, Meritum International, London, UK	Organizational Culture (behavior, morals, and ethics) - Fundamental Requirement for Successful Digital Implementation
13:40 – 14:00	Discussion	

14:00 - 15:00 Lunch

Strategic Approach and Legal Aspect

Moderators: Prof. Dr. Dobrosav Milovanović PhD, Prof. Dr. Paola Savona PhD

15:00 – 15:30 ¹	Dr. Maurizio Valla, CEO of MV Advisory, Italy	The Role of AI in the Development Strategy of Modern Healthcare Systems
15:30 – 16:00 ¹	Prof. Dr. Paola Savona, PhD, Libera Università Maria Santissima Assunta - Department of Law – Palermo, Italy	Legal Restrictions of Using Artificial Intelligence in the Public Sector
16:00 – 16:20	Prof. Dr. Dobrosav Milovanović, PhD, Faculty of Law, University of Belgrade	Responsibility for the Consequences of Using Artificial Intelligence in the Medical Sector
16:20 – 16:40	Discussion	

Technical Requirements of the Hospital Information System and Ensuring Information Security

Moderators: Dr. Branko Marović, Graduate Engineer Davul Ljuhar

16:40 – 17:00	Dr. Branko Marović, Faculty of Electrical Engineering, University of Belgrade	Digitalization of Healthcare: Experiences from Serbia and an Example of Decision Support System.
17:00 – 17:20	Graduate Engineer Dragan Marković, HDL Design House, Serbia	Implementation of Technical and Organizational Measures as a Requirement for the Digitalization Process
17:20 – 17:40	Graduate Engineer Davul Ljuhar, Braincon technologies, Vienna, Austria	Using Artificial Intelligence in Healthcare (Infection Prevention System)
17:40 – 18:00	Discussion	

20:00 Gala Dinner, Music, Socializing

¹ For lecturers presenting in English, consecutive translation is provided, and presentations last for 30 minutes.

Friday, September 1st, 2023

Practical Application of Digitalization and Artificial Intelligence in Healthcare Institution

Moderators: Prof. Dr. Saša Vujnović, MSc Elnur Smajić

09:30 – 09:50	Prof. Dr. Saša Vujnović, University Clinical Center Banja Luka	Radiology and Artificial Intelligence
09:50 – 10:10	Prof. Dr. Siniša Ristić, Faculty of Medicine Foča, University of East Sarajevo Dr. Jelena Marić, MD, Public Health Institution Hospital 'Sveti Vračevi' Bijeljina	Radiomics and Artificial Intelligence, Clinical Applications in Medicine
10:10 – 10:30	MSc Elnur Smajić, University Clinical Center Tuzla, Prof. Dr. Nihad Mešanović, University Clinical Center Tuzla	Artificial Intelligence in Cardiology
10:30 – 10:50	MSc. Vukašin Radulović, Heliant Ltd. Belgrade Dr. Nevena Veljković, Institute of Nuclear Sciences Vinča, University of Belgrade	Health Information Systems: Good Practices from the Region in Healthcare Digitalization
10:50 – 11:10	Ass. Prof. Dr. Nebojša Borojević, Independent University Banja Luka	IZIS (Integrated Health Information System) as a Platform Enabling Health System Informatization
11:10 – 11:30	Discussion	
11:30 – 12:00 Coffee break		

Round Table: Digitalization of Medical Organization – How to Prepare for the Future?

Moderators: Prof. Dr. Miodrag Todorović, Prof. Dr. Miodrag Ivanović, PhD

12:00 – 13:00

Introduction	Prof. Dr. Miodrag Todorović, Panafricare Clinic, Seychelles
Participants ² :	Minister Dr. Alen Šeranic, Ministry of Health and Social Welfare of the Republic of Srpska, Republic of Srpska
	Dr. Branko Marović, The Computer Centre of the University of Belgrade, Serbia
	Graduate Engineer Davul Ljuhar, Braincon technologies, Vienna, Austria
	Ass. Prof. Dr. Danijela Tasić, Institute for Cardiovascular Diseases 'Dedinje', Belgrade, Serbia
	Prof. Dr. Dobrosav Milovanović, PhD, Faculty of Law, University of Belgrade
	Graduate Engineer Dragan Marković, HDL Design House, Serbia
	MSc Elnur Smajić, University Clinical Center Tuzla, Bosnia and Herzegovina
	Dr. Maurizio Valla, MV Advisory, Italy
	Prim. Dr. Milan Latinović, Ministry of Health and Social Welfare of the Republic of Srpska, Republic of Srpska
	Prof. Dr. Miloš Jelić, PhD, Fund for Quality Culture and Excellence (FQCE), Serbia
	Prof. Dr. Miodrag Ivanović, PhD, Meritum International, London, United Kingdom
	Prof. Dr. Miodrag Todorović, Panafricare Clinic, Seychelles
	Ass. Prof. Dr. Nebojša Borojević, Independent University Banja Luka, Republic of Srpska
	Prof. Dr. Nebojša Tasić, Institute for Cardiovascular Diseases 'Dedinje', Belgrade, Serbia
Dr. Nevena Veljković, Institute of Nuclear Sciences Vinča, University of Belgrade, Serbia	
Prof. Dr. Nihad Mešanović, University Clinical Center Tuzla, Bosnia and Herzegovina	

	Prof. Dr. Paola Savona, PhD, Libera Università Maria Santissima Assunta - Department of Law – Palermo, Italy
	Dr. Richard Ljuhar, ImageBiopsy Lab, Vienna, Austria
	Prof. Dr. Saša Vujnović, University Clinical Center of the Republic of Srpska, Banja Luka, Republic of Srpska
	Prof. Dr. Siniša Ristić, Faculty of Medicine Foča, University of East Sarajevo, Republic of Srpska, Bosnia and Herzegovina
	MSc Vukašin Radulović, Heliant Ltd., Belgrade, Serbia
	Prof. Dr. Zlatko Maksimović, Public Health Institution Hospital 'Sveti Vračevi' Bijeljina, Republic of Srpska
13:00 – 13:05	Final address by the Hospital Director and an invitation to those interested to attend a presentation on practical applications in the hospital

² The participants of the round table are listed in alphabetical order.

Location: PHI Hospital 'Sveti Vračevi', Conference Hall

13:45 – 14:15 ³	Dr. Richard Ljuhar, ImageBiopsy Lab, Vienna, Austria	Artificial Intelligence for Musculoskeletal Radiology and Orthopedic Surgery - Turning images into actionable Insights
14:15 – 14:45	<i>Opening of the Center for Artificial Intelligence at the PHI Hospital 'Sveti Vracevi' in Bijeljina</i>	
14:45 – 15:00	Conference conclusions and recommendations	
15:00	Closing Cocktail	

³ For lecturers presenting in English, consecutive translation is provided, and presentations last for 30 minutes

LECTURERS⁴

- Dr. Branko Marović, The Computer Centre of the University of Belgrade, Serbia
- Graduate Engineer Davul Ljuhar, Braincon technologies, Vienna, Austria
- Ass. Prof. Dr. Danijela Tasić, Institute for Cardiovascular Diseases 'Dedinje', Belgrade, Serbia
- Prof. dr. Dejan Bokonjić, Faculty of Medicine Foča, University of East Sarajevo, Republic of Srpska
- Prof. Dr. Dobrosav Milovanović, PhD, Faculty of Law, University of Belgrade, Serbia
- Graduate Engineer Dragan Marković, HDL Design House, Belgrade, Serbia
- MSc Elnur Smajić, University Clinical Center Tuzla, Bosnia and Herzegovina
- Dr. Jelena Marić MD, PHI Hospital 'Sveti Vračevi' Bijeljina, Republic of Srpska
- Dr Maurizio Valla, MV Advisory, Italy
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- Prof. Dr. Miloš Jelić, PhD, Fund for Quality Culture and Excellence (FQCE), Serbia
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- Ass. Prof. Dr. Nebojša Borojević, Independent University Banja Luka, Republic of Srpska
- Prof. Dr. Nebojša Tasić, Institute for Cardiovascular Diseases 'Dedinje', Belgrade, Serbia
- Dr. Nevena Veljković, Institute of Nuclear Sciences Vinča, University of Belgrade, Serbia
- Prof. Dr. Nihad Mešanović, University Clinical Center Tuzla, Bosnia and Herzegovina
- Prof. Dr. Paola Savona, PhD, Libera Università Maria Santissima Assunta - Department of Law – Palermo, Italy
- Prof. Dr. Saša Vujnović, University Clinical Center of the Republic of Srpska, Banja Luka, Republic of Srpska,
- Prof. Dr. Siniša Ristić, Faculty of Medicine Foča, University of East Sarajevo, Republic of Srpska
- MSc Vukašin Radulović, Heliant Ltd., Belgrade, Serbia
- Prof. Dr. Zlatko Maksimović, PHI Hospital 'Sveti Vračevi' Bijeljina, Republic of Srpska, Bosnia and Herzegovina

⁴ The lecturers are listed in alphabetical order.

ORGANIZING COMMITTEE

- Prof. Dr. Zlatko Maksimović, CEO of PHI Hospital 'Sveti Vračevi' Bijeljina, The President of the Organizing Committee
- Vladimir Trajković, President of the Foundation for Quality and Excellence Culture (FQCE), Belgrade, Vice President of the Organizing Committee
- Graduate Engineer Davul Ljuhar, CEO of Braincon technologies GmbH, Vienna, Austria, Vice President of the Organizing Committee
- Specialist Dr. Med. Slaviša Dabić, Public Health Institution Hospital 'Sveti Vračevi' Bijeljina
- Dr. Jelena Marić MD, PHI Hospital 'Sveti Vračevi' Bijeljina
- Slobodan Ćorović, CEO of 'Allages Ltd. ', Belgrade
- Milica Dikić, B.Sc. in Nursing - Master of Public Health, PHI Hospital 'Sveti Vračevi' Bijeljina

SCIENTIFIC COMMITTEE⁵

- Prof. Dr. Aleksandar Redžek, Institute for Cardiovascular Diseases of Vojvodina, Sremska Kamenica, Serbia
- Minister Dr. Alen Šeranić, Ministry of Health and Social Welfare of the Republic of Srpska, Republic of Srpska
- Ass. Prof. Dr. Danijela Tasić, Institute for Cardiovascular Diseases 'Dedinje', Belgrade, Serbia
- Prof. Dr. Dejan Bokonjić, Faculty of Medicine Foča, University of East Sarajevo, Republic of Srpska
- Prof. Dobrosav Milovanović, PhD, Faculty of Law, University of Belgrade
- MSc Elnur Smajić, University Clinical Center Tuzla, Bosnia and Herzegovina
- Prof. Dr. Zlatko Maksimović, Public Health Institution Hospital 'Sveti Vračevi' Bijeljina, Republic of Srpska
- Prof. Dr. Zumreta Kušljugić, Association of Cardiologists of the Bosnia and Herzegovina, Bosnia and Herzegovina
- Dr. Jelena Marić MD, PHI Hospital 'Sveti Vračevi' Bijeljina, Republic of Srpska
- Prof. Dr. Lazar Angelkov, PHI Hospital 'Sveti Vračevi' Bijeljina, Republic of Srpska
- Prim. Dr. Milan Latinović, Ministry of Health and Social Welfare of the Republic of Srpska, Republic of Srpska
- Prof. Dr. Miloš Jelić, PhD, Fund for Quality Culture and Excellence (FQCE), Serbia
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- Prof. Dr. Saša Vujnović, University Clinical Center of the Republic of Srpska, Banja Luka, Republic of Srpska
- Prof. Dr. Siniša Maksimović, PHI Hospital 'Sveti Vračevi' Bijeljina, Republic of Srpska
- Prof. Dr. Siniša Ristić, Faculty of Medicine Foča, University of East Sarajevo, Republic of Srpska

⁵Members of the Scientific Committee are listed in alphabetical order

REGISTRATION AND PARTICIPATION FEE

For participation you can apply at: viestackainteligencija@bolnicabijeljina.com or <https://ai.bolnicabijeljina.com/>

Contact person:

Zorica Marković Phone number: +38766263105; +38755227310

Natalija Naunović Phone number: +381621213946

REGISTRATION FEE:

Early registration until August 17, 2023: 200 BAM (100 EUR)

Late registration after August 17, 2023: 300 BAM (150 EUR)

- The number of participants is limited.

The registration fee includes participation in the conference, welcome cocktail, lunch, coffee breaks, as well as a gala dinner and social gathering with music.

Payment information

Republic of Srpska, Bosnia and Herzegovina (Payments in BAM):

- HAPPY TRAVEL, Meše Selimovića 23a, 76300 Bijeljina, Republic of Srpska, Bosnia and Herzegovina
Account number: 555-001-00126365-47 Nova Banka Ad Banja Luka
Contact person: Zorica Mirković, mobile +38766263105

Republic of Serbia (Payments in RSD - at the middle exchange rate of NBS on the day of payment):

- ALLAGES d.o.o., Resavska 36b, 11000 Belgrade, Serbia
Account number: 170-30014498000-82 UniCredit Bank Serbia AD
Contact person: Natalija Naunović, mobile +381 62 121 39 46

ACCOMODATION :

Accommodation for participants is provided in the Hotel 'Ras' within Ethno Village Stanisici (<http://www.etno-selo.com/ras>) under special/beneficial conditions:

- Single room (1/1) 70,00 BAM
- Double room (2/1) 57,50 BAM, per person
- Triple room (3/1) 47,50 BAM, per person
- Residence tax 2,50 BAM per day, per person

The listed prices refer to bed and breakfast.

Reservation and Accommodation Payment

HAPPY TRAVEL, Meše Selimovića 23a, 76300 Bijeljina, Republic of Srpska , Bosnia and Herzegovina
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