

COLLECTION OF ABSTRACTS AND BIOGRAPHIES

International Scientific Conference
EU eHealth Law and Public Health



Editors:

Kristina MISHEVA & Marija AMPOVSKA



With the support of the
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Jean Monnet Project: EU eHealth Law and North Macedonia: From Current
Practice to Implementation (EUEHL)
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EU eHealth Law and Public Health

26.09.2022 – 30.09.2022

Ohrid, North Macedonia



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Editors: Kristina MISHEVA, Ph.D., University Goce Delchev - Shtip, Faculty of Law, Republic of North Macedonia, Marija AMPOVSKA, Ph.D., University Goce Delchev - Shtip, Faculty of Law, Republic of North Macedonia

Technical support: Kristijan PANEV, Goce Delchev University of Shtip, Faculty of Law, Republic of North Macedonia

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Web: <http://euehl.ugd.edu.mk>

E-mail: grp-euehl@ugd.edu.mk

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FOREWORD

Dear reader,

*This publication is a collection of short narrative biographies and abstract summaries from the national and international speakers at the multidisciplinary international scientific conference titled “**EU eHealth Law and Public Health**”. The conference is part of the project activities under the Jean Monnet Project titled “EU E-Health Law and North Macedonia: From Current Practice to Implementation” (EUEHL), Ref. No. 621268-EPP-1-2020-1-MK-EPPJMO-PROJECT.*

This multidisciplinary international scientific conference aims to gather local and non-local respectable speakers and recognised professionals in the areas of Global Health Policies, EU eHealth Law, Public Health Law, Bioethics, IT creators of eHealth platforms and services, and doctors. In the context of this, we can say that the multidisciplinary approach of this conference is an added value and the first of its kind at the national level. Therefore, this will be a significant contribution not only for the academic community but also for national policymakers and professionals in the social sciences and humanities, medicine, and the IT industry.

The conference is organised in four panels. Each panel covers a different area of the subject matter. The first panel is dedicated to EU eHealth Law and Public Health Policies and focuses on EU and Global Public Health Policies and Constitutional Rights; International, EU and National eHealth Developments; Malpractice in Healthcare; and Data Privacy and Cyber Protection in Healthcare. The second panel examines biosecurity and bioethics in health. The third panel discusses information and communication technology (ICT) in healthcare engineering practice. The last panel focuses on sharing best practices among healthcare professionals in eHealth services and telemedicine. Therefore, the structure of this publication follows the panel sessions of the conference in alphabetic order by the first name of the speakers into the panels.

This diverse networking and exchange of experiences in the development of eHealth at national, international and EU levels and the implementation of best practices in digital health aims to enhance the communication and knowledge among participants. We want to share our academic debate by

publishing this collection that provides a scope of work of specific topics presented by diverse scholars, professionals in both the public and private sector. Additionally, this publication is open access, so it raises the awareness of the importance to being part of EU's roadmap for Digital Health.

Many thanks for the unselfish effort given of the members of the Organizing Committee of this conference and for the contributions of the participants to this publication.

We hope that you will find the information interesting and useful.

Thank you for reading this Collection of Abstracts and Bios.

Academic coordinator,

Associate professor Kristina Misheva, PhD

Faculty of Law, Goce Delcev University in Stip

Organizing Committee

Kristina Misheva, Faculty of Law, Goce Delcev University of Stip, Republic of North Macedonia

Marija Ampovska, Faculty of Law, Goce Delcev University of Stip, Republic of North Macedonia

Biljana Todorova, Faculty of Law, Goce Delcev University of Stip, Republic of North Macedonia

Trajce Stojanov, Faculty for educational studies, Goce Delcev University of Stip, Republic of North Macedonia

Kristijan Panev, Faculty of Law, Goce Delcev University of Stip, Republic of North Macedonia

Scientific Committee

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Marija Ampovska, Faculty of Law, Goce Delcev University in Stip, Republic of North Macedonia

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Robert Grzeszczak, School of Law, University of Warsaw, Poland

Saso Koceski, Faculty of Computer Science, Goce Delcev University of Stip, Republic of North Macedonia

Conference Programme
“EU eHealth Law and Public Health”
Hotel Bellevue, Ohrid, 26-30 September 2022

Day 1 (26.09.2022)	
16:00	Registration of Participants
18:00 – 19:00	Welcome & Opening Remarks by EUEHL Team Presentation of Project Activities and Results
19:00 – 19:20	The Principles of Global Health Professor Lawrence O. Gostin (O’Neill Institute for National and Global Health Law, Georgetown Law, Washington DC, USA) - online
	Discussion
20:00	Dinner
Day 2 (27.09.2022)	
09:30 – 10:00	Opening Remarks <ul style="list-style-type: none"> - Professor Dejan Mirakovski, Rector of Goce Delchev University of Stip - A representative from the Ministry of Health in the Republic of Macedonia - A representative from the Ministry of Justice in the Republic of Macedonia - Mpharm. Robert Bekirovski, Deputy Director of Macedonian Agency for Medicines and Medical Equipment (MALMED)
	PANEL 1: EU eHEALTH LAW AND PUBLIC HEALTH POLICIES
10:00 – 12:40	Session 1: EU and Global Public Health Policies and Constitutional Rights <i>Moderator: Alan Brill</i>
	EU Free Movement Law and the Emergence of a Health Union in Times of Pandemic Professor Iris Goldner Lang (Faculty of Law, University of Zagreb, Croatia)
	Quo Vadis EU Health Policy? – An Insight into Intersections and Synergies Between 2021-2027 EU Health and Cohesion Targets

	Associate Professor Nives Mazur-Kumrić (University of Liège, Belgium)
	More or less of the European Union in shaping the protection of Public Health? Some lessons from the Covid-19 pandemic Associate Professor Robert Grzeszczak (Faculty of Law, University of Warsaw, Warsaw, Poland)
	International Mobility during Public Health Emergency Associate Professor Fernando Dias Simões (Lusíada University of Porto and Portucalense University, Portugal)
	Healthcare: A View from the U.S. Law Enforcement Mr. John (Jack) Bennett (Managing Director, Cyber Risk Practice, Kroll, USA) - online
	The Right to Health in the Digital Age Professor Maja Nastić (Faculty of Law, University of Nis, Serbia)
	EU Health Policy and the Macedonian Strategies on the Health Issues Associate Professor Dejan Marolov (Faculty of Law, Goce Delcev University of Stip, North Macedonia)
	Open discussion
12:40 – 13:00	Coffee break
13:00 – 14:20	Session 2: International and EU eHealth Developments through National Legislation (Part I) <i>Moderator: Marija Ampovska</i>
	Fintech in support of Public Health Services Professor Ivana Bajakić (Faculty of Law, University of Zagreb, Zagreb, Croatia)
	eHealth Developments in China Chief Assistant Professor Deyan Dimitrov (Institute for the State and the Law - Bulgarian Academy of Sciences, Bulgaria)
	E-governance in Healthcare Systems – Has the COVID-19 pandemic boosted the development of eHealth? The case of Poland Associate Professor Jowanka Jakubek-Lalik (Faculty of Law and Administration, University of Warsaw, Warsaw, Poland)
	Healthcare Personalization and Community delivered by eHealth

	Mr. Sid Bouziane (CEO and Founder of Borouge, Paris, France)
14:30 - 15:30	Lunch
15:30 - 17:10	Session 2: International and EU eHealth Developments through National Legislation (Part II) <i>Moderator: Marija Ampovska</i>
	Legal Challenges of using Autonomous Robots in the area of Healthcare Associate Professor Soňa Sopúchová, (Faculty of Law, Comenius University in Bratislava, Slovakia)
	eHealth Developments in the EU and the Republic of Bulgaria Chief Assistant Professor Veronika Stoilova (Faculty of History and Law, South-West University “Neofit Rilski” – Blagoevgrad, Bulgaria)
	Normative Regulation of eHealth System in Serbian Law: The Influence of EU Legislation and Practice Associate professor Marko Dimitrijević (Faculty of Law, University of Nis, Serbia)
	Legal aspects of eHealth development in North Macedonia - Where do we stand? Associate Professor Kristina Misheva (Faculty of Law, Goce Delcev University of Stip, North Macedonia)
	Open discussion
17:10 – 17:30	Coffee Break
17:30 – 19:10	Session 3: Social Protection <i>Moderator: Trajce Stojanov</i>
	eHealth through the prism of the Social Law of the Republic of North Macedonia Associate Professor Biljana Todorova (Faculty of Law, Goce Delcev University of Stip, North Macedonia)
	Basic Patient Rights in the context of eHealth in the Republic of Bulgaria Chief Assistant Professor Nikoleta Lazarova (Faculty of History and Law, South - West University “Neofit Rilski” – Blagoevgrad, Bulgaria)
	Methodological Challenges in eHealth Research Professor Strasko Stojanovski (Faculty of Law, Goce Delcev University of Stip, North Macedonia)
	M-Health Solutions in Refugee Mobility: HERA Case

	Assistant Erdal Bayraktar, Ph.D. Candidate (Beykent University, Istanbul, Turkey)
	Open discussion
20:00	Dinner
Day 3 (28.09.2022)	
09:00 – 11:00	Session 4: Malpractice in Healthcare Civil Protection, Damages, and Criminal Protection <i>Moderator: Kristina Misheva</i>
	Telemedicine - The Czech perspective Associate Professor Petr Šustek (Faculty of Law, Charles University, Prague, Czech Republic)- online
	Concept of liability for damages caused by artificial intelligence Associate Professor Mihajlo Cvetković (Faculty of Law, University of Nis, Serbia)
	Liability in Medicine – An Overview of Macedonian Legal System and Practice Associate Professor Marija Ampovska (Faculty of Law, Goce Delcev University of Stip, North Macedonia)
	eHealth and the Standard of Care Assistant Martin Šolc, Ph.D. Candidate (Faculty of Law, Charles University, Prague, Czech Republic)
	Criminal Liability for Medical Malpractice in Croatia Associate Professor Igor Vuletić (Faculty of Law, University of Osijek, Croatia)
	Open discussion
11:00 – 11:20	Coffee Break
11:20 – 14:00	Session 4: Data Privacy and Cyber protection in Healthcare <i>Moderator: Ivana Bajakić</i>
	In whom do we trust? Automated decision-making in healthcare? Associate Professor Zoltán Gyurász (Faculty of Law, Comenius University in Bratislava, Slovakia)
	Emerging Healthcare Cyber Risks: Predictions, Problems, and Challenges Professor Alan Brill (School of Law, Texas A&M University; Senior Managing Director in the Cyber Risk Practice of Kroll and Fellow of the Kroll Institute)

	<p>Open data and eHealth Assistant Professor Irena Bojadzievska, (University American College Skopje, Skopje, North Macedonia)</p>
	<p>Processing and International Transfer of Health Data within the EU and Abroad Ms. Ljubica Pendaroska, Ph.D. Candidate (International Consultant Expert in Data Protection and Privacy, Cyber4 Women, Skopje, North Macedonia)</p>
	<p>Humanitarian Health Service – Legal Relationship in Practice Ms. Zsófia Riczu, Ph.D. Candidate (School of Political Science and Law, University of Miskolc, Hungary)</p>
	<p>eHealth, Interoperability of Health Data and Artificial Intelligence for Health and Care in the European Union Ms. Adriana Dvoršak, M.A (University Medical Centre Ljubljana, Slovenia) - online</p>
	<p>Security Requirements for Electronic Health Record Systems (EHR) as safeguards for Privacy Rights under Proposal for Regulation on European Health Data Space (EHDS) Ms. Daniela Atanasovska LL.M. (Data Protection Consultant & Certified Information Security Manager ISO 270001)</p>
	Open discussion
14:00 – 15:30	Lunch
20:00	Dinner
Day 4 (29.09.2022)	
10:00 – 12:40	<p>PANEL 2: BIOETHICS <i>Moderator: Strasko Stojanovski</i></p>
	<p>The meaning of Medical Law, Ethics, and Bioethics Professor Trajce Stojanov (Faculty of Educational Sciences, Goce Delcev University of Stip, North Macedonia)</p>
	<p>Bio – eco – ethically restructured Public Health Associate Professor Maria Carmen Velayos Castelo (University of Salamanca, Salamanca, Spain)</p>
	<p>An Analysis of Bioethical Standards in promoting Adolescent Health Associate Professor Goran Livazović (Faculty of Educational Sciences, University of Osijek, Croatia)</p>

	<p>A Human Being: the Definition of Personhood in the Context of Medical Ethics Decisions Ms. Kristine Whitnoble, Ph.D. (Fellow with Global Scholars, USA)</p>
	<p>Pivotal ideas of Mediterranean Bioethics: A Bridge over Troubled Water Professor Iva Rinčić (Faculty of Medicine and Faculty of Health Studies, University of Rijeka, Rijeka, Croatia)</p>
	<p>A Postscript on Jahr: From Chronologist to Bioethicist Professor Dejan Donev (Faculty of Philosophy, Institute of Philosophy, University "Ss. Cyril and Methodius", Skopje North Macedonia) - online</p>
	<p>Ethical and Legal Challenges to eHealth in the Republic of Bulgaria Chief Assistant Professor Georgy Mihaylov (Faculty of History and Law, South - West University "Neofit Rilski" – Blagoevgrad, Bulgaria)</p>
	Open discussion
12:40 – 13:00	Coffee Break
13:30 – 15:00	Lunch
15:00 – 18:20	<p>PANEL 3: INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) IN HEALTHCARE <i>Moderator: Sasho Koceski</i></p>
	<p>Medical and Healthcare Big Data Analytics - Challenges and Opportunities Professor Blagoj Risteovski (Faculty of Information and Communication Technologies, University "St. Kliment Ohridski" – Bitola, North Macedonia)</p>
	<p>Digital Healthcare: The Role and Impact of ICT in Healthcare Associate Professor Adem Tuncer (Yalova University, Yalova, Turkey)</p>
	<p>ICT and Assistive Robotic Technology for Elderly Care Professor Natasa Koceska (Faculty of Computer Science, Goce Delcev University of Stip, Republic of North Macedonia)</p>
	<p>Application of Linear Regression in Modeling Relations of Health Parameters Professor Aleksandar Nastić (Faculty of Informatics, University of Nis, Serbia)</p>

16:20 – 16:40	Coffee Break
	Telemedicine: Today and tomorrow Riste Timovski, Ph.D. (Head of E-Index Department, Goce Delchev University of Stip, North Macedonia)
	ICT Applications in Healthcare Mr. Mustafa Albanna, Ph.D. Candidate at Yalova University, Yalova, Turkey
	The Challenges of IT Applications in the Healthcare System Mr. Trencho Milenkoski, MSc (IT department, Clinical Hospital, Skopje, North Macedonia)
	Development of the National System for Electronic Health Records in the Republic of North Macedonia Ms. Zhaklina Chagoroska ("Moj termin" Ministry of Health, Skopje, North Macedonia)
	Open discussion
20:00	Dinner
Day 5 (30.09.2022)	
	PANEL 4: eHEALTH SERVICES (TELEMEDICINE AND HEALTH DEVICES) IN PRACTICE <i>Moderator: Biljana Todorova</i>
09:30 – 11:30	Session: The Macedonian Experience and Practice
	eDiagnostics Devices: A Challenge for Better Public Health Primarius doctor Blagica Krsteska, (Institute of Pathology, Faculty of Medicine, University Ss Cyril and Methodius in Skopje, Republic of North Macedonia)
	Contemporary Communication in Clinical and Scientific Practice Associate Professor doctor Igor Peev (University Clinic for Plastic and Reconstructive Surgery, Medical Faculty, University "Ss. Cyril and Methodius", Skopje, Republic of North Macedonia)
	Application of Teledentistry in Everyday Dental Practice Associate Professor Julija Zarkova Atanasova (Faculty of Medical Sciences, Goce Delchev University of Stip, Republic of North Macedonia)
	Teleophthalmology in Theory and Practice

	Specialist Doctor Aleksandar Mishev, Ph.D Candidate (Ophthalmology Clinic, JZU Clinical Hospital - Shtip, Republic of North Macedonia)
	The Current Situation, Effects of use, and Proposals for Future Development of Telemedicine Specialist Doctor Vladko Filipov (Clinic for Urology, JZU Clinical Hospital - Shtip, Republic of North Macedonia)
	Open discussion
11:30 – 12:00	Coffee Break
12:00 – 13:30	Closing Remarks & Certificates
14:00	Lunch
	Departing

TRAJCE STOJANOV



Trajce Stojanov, in 2003 he started his university career at Pedagogical faculty, Ss Cyril and Methodius, as teaching assistant. In 2013 he earned his PhD at Faculty of Philosophy at University Ss. Cyril and Methodius, Skopje. Now he is associate professor at Faculty of Educational Sciences, University, Goce Delcev, Stip, where he teaches Ethics in Education, Philosophy of Education, and Philosophy of Law.

His research interests are Ethics and Bioethics, Philosophy of politics, Philosophy of Education and History of philosophy.

Dr. Stojanov has participated in numerous domestic and international scientific conferences. He is an author/co-author of numerous articles presented at international conferences and published in conference proceedings and international scientific journals. So far, he has published five books, and two textbooks. Currently he is working on two national and one international project. He is a member of various professional societies and institutions both domestic and international (Philosophical Society of Macedonia, Philosophical Society of Russia, Member of Philosophical Association of Croatia, Member of Philosophical Society Serbia, Member of Dostoevsky Society...).

Prof. Stojanov is visiting professor at Institute for European and Globalization Studies

(http://www.inegs.com/multimedia/studije/department_ii_associates.pdf), and International Slavic University "Gavrilo Romanovich Derzhavin", Russian University in Sv. Nikole/Bitola, Macedonia. In 2020 for his scientific achievements he was elected as *Professor honoris causa* at Socio-pedagogical Institute, Moscow, Russia.

Stojanov is also a columnist in several national and international media (Rossiyskaya gazeta, project RBTH, Macedonia, Slobodna Dalmacija, Geopolitics News).

THE MEANING OF MEDICAL LAW, ETHICS AND BIOETHICS

Abstract: Today's world is changing rapidly. New breakthroughs in science and technology pose serious ethical challenges, especially in medical sciences and medical treatments. New medical techniques challenge humans understanding, not only on traditional morality, but on basic notions like health, life, and death. These changes are so fast and unexpected, that even Ethics, and Bioethics can't follow the pace and offer the answers. But, nevertheless, despite the fast and unprecedented development of medical sciences, medical profession remains essentially ethical one. No matter how far the technological development will reach, medical workers must not lose their focus of the essence of the profession - health and life. That's why, the Ethics, and especially the Bioethics are central to understanding emerging technologies and their use in medical profession.

One must admit, these new technologies raise new and previously unknown moral dilemmas. That's why, this paper will try to shed some light on these new medical advancements, with emphasis on eHealth and the moral implications of it. WHO defines eHealth as the cost-effective and secure use of information and communications technologies in support of health and health-related fields, including health-care services, health surveillance, health literature, and health education, knowledge and research? As we can see, eHealth opens ethical issues in many related areas, not only in medical Ethics. E-Health is at the intersection with many fields: medicine, informatics, social issues...This paper is just a summary of this ethical dilemmas opened by this emerging field in contemporary medical science.

Keywords: Bioethics, eHealth, Telemedicine, Digital Health