ROMANIAN FORENSIC SCIENTISTS ASSOCIATION
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AGENDA

INTERNATIONAL CONFERENCE ON FORENSIC SCIENCES

„THE IMPACT OF THE ARTIFICIAL INTELLIGENCE IN THE ACTIVITY OF FORENSIC IDENTIFICATION”

The XII Edition

October 18-19
Bucharest, 2024
PARTNERS

SPONSORS

INTERNATIONAL CONFERENCE ON FORENSIC SCIENCES
CONFERENCE THEME:
„THE IMPACT OF THE ARTIFICIAL INTELLIGENCE IN THE ACTIVITY OF FORENSIC IDENTIFICATION"

The XII Edition, 2024, BUCHAREST, ROMANIA

The organizer: ROMANIAN FORENSIC SCIENTISTS ASSOCIATION

Partners:
★ **"Acad. Andrei Rădulescu" Legal Research Institute of the Romanian Academy**
★ **National Forensic Science Institute within the General Inspectorate of the Romanian Police**
★ **National Forensic Expertise Institute within the Ministry of Justice of Romania**
★ **National Center for Judicial Expertise under the Ministry of Justice of the Republic of Moldova**
★ **West University of Timişoara**
★ **Romanian-American University of Bucharest**
★ **„Titu Maiorescu" University of Bucharest**
★ **„Valahia" University in Târgovişte**
★ **Ecological University of Bucharest**
★ **„Ovidius" University of Constanţa**
★ **„George Bacovia" University of Bacău**
★ **National University of Science and Technology Politehnica Bucharest, Piteşti University Center**
★ **"Ştefan cel Mare" Universitaty of Suceava**
★ **„Bogdan Petriceicu Haşdeu" State University of Cahul, Republic of Moldova**
★ **Romanian Business Criminal Law Association**
★ **Association of Criminal Lawyers from Romania**
★ **SARA Law Research Center**
★ **CyBureau - The Institute for Cyber Policy Studies Israel**
★ **EUROPOL European Policemen Union, Romania**

Date: October 18 – 19, 2024

Venue of the conference: „TITU MAIORESCU" UNIVERSITY from Bucharest, sector 4, Calea Văcăreşti, no. 187, in a mixed system (physical and on-line)

Keynote Speakers:

★ **BGen (retd.) Professor PhD. Gheorghe POPA** - President of the Romanian Forensic Scientists Association, Faculty of Law, Romanian-American University of Bucharest and Ph.D. Supervisor at the "Titu Maiorescu" University of Bucharest Doctoral School of Law, Forensic Expert, **Romania**

★ **Associate Professor PhD. Titus CORLĂŢEAN** - „Carol I" National Defense University from Bucharest, Romania, Senator, Chairman of the Foreign Policy Committee in the Romanian Senate, **Romania**

★ **PhD. Geoffrey Thor DESMOULIN** - Biomechanical consultant, President of GTD - that offers Consulting Services in Injury Biomechanics, Incident Reconstruction, and Physical Testing with a sub-specialty in the Science of Violence, Scientific and Senior Biomechanics, **Canada**

★ **Jean-Philippe NOAT** - International Expert in digital investigation, **Monaco**, Senior Director of Strategic Advisory Services, International: Cellebrite, responsible for global forensics and international consulting

★ **Professor PhD. Ovidiu PREDESCU** - Ecological University of Bucharest, Faculty of Law, Secretary general of the Romanian Academy of Legal Sciences and First vice-president of the Romanian Jurists Union, **Romania**

★ **PhD. Yury CHERNOV** - Research Director at the Zurich Institute for Handwriting Sciences, Handwriting expert, **Switzerland**

★ **George DOBREA -** Expert in Cyber security and a well-known technical instructor, **Romania**, Founder and CEO of XEDUCO Institute

★ **Dr. Domingo MAGLIOCCA** - Investigator, Certified Geographic Profiling Analyst, **Italy**

★ **Professor PhD. of Law Dmitry V. BAKHTEEV** - Doctor of Law, Professor of the Department of Criminalistics, Head of the Laboratory of Digital Technologies in Criminalistics at the "V.F. Yakovlev" Ural State Law University, **Russian Federation**

★ **Ovidiu PISMAC** - Expert in Cyber security, Microsoft, Senior Security Cloud Solution Architect and trusted advisor for biggest partners in Central Europe, **România**

★ **Christian SCHÄFERS** Senior Market Development Strategist, developing a dedicated Public Safety Channel Partner network across the EMEA region - FARO Technologies, Munchen, **Germany**

★ **Professor PhD. Tal PAVEL** - Cyber expert, Founder and Director of the private owned Institute for Cyber Policy Studies – CyBureau and Head of the Cybersecurity Studies in the Information Systems School at the Academic College of Tel Aviv Yaffo, **Israel**

★ **Paulo NORONHA** - Digital Forensics Analyst, Digital Forensics Laboratory at the INTERPOL Global Complex for Innovation in **Singapore**

★ **Professor PhD. habil. Csongor HERKE, DSc.** - University of Pécs, Faculty of Law, **Hungary**, Member of International Association of Penal Law, Member of Grupo de Investigación de Estudios del Derecho de España, Portugal y América Latina

★ **Associate Professor PhD. Vladimir A. FEDORENKO** - Head of the Educational and Scientific Laboratory of Forensic Materials Engineering, Institute of Physics, Saratov State University, **Russia**

CONFERENCE PROGRAM

18 October 2024

08:45 - 09:30 **Reception/registration of the participants / Online access to the conference**

09:30 - 10:30 (GMT+2)

Opening of the proceedings of International Forensic Sciences Conference "The impact of the artificial intelligence in the activity of forensic identification"

★ **BGen (retd.) Professor Gheorghe POPA, Ph.D** - President of the Romanian Forensic Scientists Association

The signing ceremony of Partnership Agreements with:

- **"Acad. Andrei Rădulescu" Legal Research Institute of the Romanian Academy –** Director Professor PhD. Evelina Mirela OPRINA
- **Aleksandër Moisiu Durres University, Albania –** representative University lecturer PhD. Edvana TIRI, Faculty of Political and Legal Sciences
- **„National Bureau of Expertises" SNPO of the National Academy of Sciences of the Republic of Armenia**

Greetings/Welcome speeches

★ **PhD. Argam Hovsepyan** – Director of the "National Bureau of Expertises" SNPO of the National Academy of Sciences of the Republic of Armenia

★ **Professor PhD. Gigel PARASCHIV** – Secretary of State, Ministry of Education, Romania

★ **Professor PhD. Marilen-Gabriel PIRTEA**– Rector of the West University of Timişoara, Romania

★ **Professor habil. PhD. Costel NEGRICEA –** Rector of the Romanian-American University of Bucharest, Romania

★ **Professor PhD. Daniel COCHIOR** – Rector of the „Titu Maiorescu" University of Bucharest, Romania

★ **Associate Professor PhD. Constanţa MĂTUŞESCU** – Dean of the Faculty of Legal and Administrative Sciences, „Valahia" University of Târgovişte, Romania

★ **Judicial Expert Ph.D in Legal Sciences Olga CATARAGA –** Director of the National Center for Judicial Expertise Ministry of Justice, Chişinău, Republic of Moldova

★ **Forensic Expert PhD. Constantin MIREA** – Director of the National Forensic Expertise Institute within the Ministry of Justice of Romania

★ **Police Chief Commissioner, Forensic Expert Daniel STAICU** – Deputy Director of the National Forensic Science Institute within the General Inspectorate of the Romanian Police

10:30 - 13:30 **Articles presentation session**

Moderators:

BGen (retd.) Professor PhD. Gheorghe POPA - Faculty of Law, Romanian-American University of Bucharest and Ph.D. Supervisor at the "Titu Maiorescu" University of Bucharest Doctoral School of Law, Romania, Forensic Expert, Founding member and President of the Romanian Forensic Scientists Association

Col. (r.) chemist eng. PhD. Maria-Georgeta STOIAN - Adjunct Professor, Faculty of Law, „Titu Maiorescu" University of Bucharest, Forensic Expert, Secretary general of Romanian Forensic Scientists Association

10:30 - 10:55 **Associate Professor PhD. Titus CORLĂŢEAN** - Faculty of Security and Defense, „Carol I" National Defense University from Bucharest, President of the Committee for Foreign Policy of the Senate of Romania

"***Codification of Artificial Intelligence in International Law - opportunities and risks international law***"

10:55 - 11:20 **Paulo NORONHA** - Digital Forensics Analyst, Digital Forensics Laboratory at the INTERPOL Global Complex for Innovation in Singapore

"***INTERPOL Digital Forensics Lab: Empowering Global Law Enforcement***"

11:20 - 11:45 **Professor PhD. Ovidiu PREDESCU** - Faculty of Law, Ecological University of Bucharest, Secretary general of the Romanian Academy of Legal Sciences and First vice-president of the Romanian Jurists Union

"***The legal nature of artificial intelligence. Liability (including criminal liability) of artificial intelligence. Artificial Intelligence and Criminal Justice. Present and future***"

11:45 - 12:10 **BGen (retd.) Professor PhD. Gheorghe POPA** - Faculty of Law, Romanian-American University of Bucharest and Ph.D. Supervisor at the "Titu Maiorescu" University of Bucharest Doctoral School of Law, Forensic Expert, Founding member and President of the Romanian Forensic Scientists Association

"***The risks of applying artificial intelligence in forensic identification activity***"

12:10 - 12:30 **Professor PhD. lawyer Petre BUNECI** - Faculty of Law, Ecological University of Bucharest, Romania, First Vice-president of the Romanian Forensic Scientists Association

"***Legislative aspects regarding biometric identification with the help of Artificial Intelligence***"

12:30 - 13:00 **Jean-Philippe NOAT** - International Expert in digital investigation, Monaco, Senior Director of Strategic Advisory Services, International: Cellebrite, responsible for global forensics and international consulting

"***How AI could be used for media origin / media categorization on a phone and what are the limits of this technology ?***"

13:00 - 13:30 **George DOBREA** - Expert in Cyber security and a well-known technical instructor, Romania, Founder and CEO of XEDUCO Institute

"***Artificial Intelligence in Cyber Warfare: AI-Powered Attacks and the Challenges of Digital Forensics Investigation***"

13:30 - 14:00	**Lunch break**
14:00 - 18:10	**Articles presentation session** **Moderators:** **Professor PhD. Nicoleta-Elena HEGHEŞ** - Researcher 2nd Degree at "Acad. Andrei Rădulescu" Institute of Legal Research of the Romanian Academy, Faculty of Juridical and Administrative Sciences "Momcilo Luburici", "Dimitrie Cantemir" Christian University of Bucharest, Romania, Vice-president of the Romanian Forensic Scientists Association **Associate Professor PhD. Bogdan BUNECI** - Faculty of Law, Ecological University of Bucharest, Romania, Member of the Romanian Forensic Scientists Association, University Education Department
14:00 - 14:25	**Professor PhD. habil. Csongor HERKE DSc.** - Head of Department, Head of Doctoral School, Department of Criminal and Civil Procedure, Faculty of Law and Political Sciences, University of Pécs, Hungary *„How Artificial Intelligence can help forensic experts?"*
14:25 - 14:55	**Ovidiu PISMAC** - Expert in Cyber security, Microsoft, Senior Security Cloud Solution Architect and trusted advisor for biggest partners in Central Europe, Romania "***Protection & end-to-end visibility at the speed and scale of Artificial Intelligence***"
14:55 - 15:25	**PhD. Yury CHERNOV** - Research Director at the Zurich Institute for Handwriting Sciences, Handwriting expert, Switzerland "***Developing Handwriting Analysis Using Artificial Intelligence***"
15:25 - 15:50	**Associate Professor PhD. Vladimir A. FEDORENKO** - Head of the Educational and Scientific Laboratory of Forensic Materials Engineering, Institute of Physics, Saratov, State University, Saratov, PhD. in Physics and Mathematics, Retired Police Colonel, Russia **Kseniia O. SOROKINA** - The Educational and Scientific Laboratory of Forensic Materials Engineering, Institute of Physics, Saratov, State University, Saratov, Russia **PhD. Pavel V. GIVERTS** - Firearms Laboratory, Division of Identification and Forensic Science, Israel, Police HQ, Jerusalem, Israel "***Analyzing the Classification of Images of Firing Pin Marks Carried Out Using Neural Networks***"
15:50 - 16:05	**Coffee break**
16:05 - 16:35	**PhD. Geoffrey Thor DESMOULIN, R.KIN., P.L.ENG** - Biomechanical consultant, President of GTD - that offers Consulting Services in Injury Biomechanics, Incident Reconstruction, and Physical Testing with a sub-specialty in the Science of Violence, Scientific and Senior Biomechanics, Canada "***Biomechanics from Video Evidence***"
16:35 - 17:05	**Dr. Domingo MAGLIOCCA** - Investigator, Certified Geographic Profiling Analyst, Italy "***The Criminology of places in criminal investigation. Geographic Profiling Analysis***"

17.05 - 17:25	**Rodolfo CHACÓN RANGEL** - CEO & co-fondator Con Compliance, Partener fondator Compliance, Cybersecurity & Risk Management, Mexico City, Mexic "***Ensuring Ethical and Unbiased AI in Forensic Identification: Challenges and Best Practices.***"
17:25 - 17:50	**Christian SCHÄFERS** - Senior Market Development Strategist, developing a dedicated Public Safety Channel Partner network across the EMEA region - FARO Technologies, Munchen, Germany *"**The future of Crime Scene Investigation**"*
17:50 - 18:10	**Joyce (Xiuzhi) ZHOU** - CEO of Hangzhou Hengli Electronic Technology Co., LTD, China **Lana (Xuemei) XIA** - Reprezentative of Hangzhou Hengli Electronic Technology Co., LTD, China "***Auto-AI Physical Evidence Identification System***" **Professor PhD. Viorel VASILE** - Faculty of Legal Sciences, "Hyperion" University of Bucharest, Member of the Romanian Forensic Scientists Association, University Education Department ***„Biometric/facial identification with the help of forensic applications based on artificial intelligence***" **Professor PhD. Tiberiu-Constantin MEDEANU** - Faculty of Chemistry, Biology and Geography, West University of Timişoara, Romania ***„Deficiencies in forensic training and effects in the judicial system***" **Associate Professor PhD. in Law prosecutor Ion COVALCIUC** - „Ştefan cel Mare" Academy of the MAI, Chişinău, Chief Prosecutor of the Bălţi Municipal Prosecutor's Office, Republic of Moldova "***The impact of digital evidence in the investigation of contract killings***" **Lecturer PhD. Simona FRANGULOIU** - Associate researcher at "Acad. Andrei Rădulescu" Legal Research Institute of the Romanian Academy, Trainer at National Institute of Magistracy, Bucharest, Faculty of Economic and Legal Sciences, "Constantin Brâncoveanu" University of Piteşti, Romania, Member of the Romanian Forensic Scientists Association, University Education Department **Professor PhD. Nicoleta-Elena HEGHEŞ** - Researcher 2nd Degree at "Acad. Andrei Rădulescu" Institute of Legal Research of the Romanian Academy, Faculty of Juridical and Administrative Sciences "Momcilo Luburici", "Dimitrie Cantemir" Christian University of Bucharest, Romania, Vice-president of the Romanian Forensic Scientists Association *„ **Fundamental rights in the light of Regulation (EU) 2024/1689 EP laying down harmonized rules on artificial intelligence. Compliance versus impairment.***" **Professor Engineer PhD. Ana-Maria GRĂMESCU** - "Ovidius" University of Constanța, Romania, Ph.D Supervisor - Institute of Doctoral Studies, Judicial Technical Expert, Member of Romanian Forensic Scientists Association, University Education Department **Prof. univ. dr. ing. Dorina-Nicolina ISOPESCU** - "Gheorghe Asachi" Technical University from Iasi, Romania, Institute of Doctoral Studies, Judicial Technical Expert, Member of Romanian Forensic Scientists Association, University Education Department

Chemist Eng. PhD. Maria-Georgeta STOIAN - Adjunct Professor, Faculty of Law, „Titu Maiorescu" University of Bucharest, Romania, Forensic Expert, Secretary general of Romanian Forensic Scientists Association
Ec. jr. PhD. Ana-Maria-Daniela BARBU - Judicial Expert, Romania, ANEVAR member, Member of Romanian Forensic Scientists Association, Forensic Expertise Department
PhD. student Eng. Mădălina IORDACHE - "Ovidius" University of Constanța, Romania, Doctoral School Member of Romanian Forensic Scientists Association, University Education Department of Applied Sciences, Member of Romanian Forensic Scientists Association, University Education Department

" ***Historical Building Information Modelling (HBIM) - a tool of the future***"

18:10 - 18:20 **Discussions, conclusions and closing of the conference proceedings - Day 1**

19:00 - 23:00 **Colegiate Dinner (optional) - Club Excelsior Restaurant, Ştirbei Vodă str., no. 24, sector 1, Bucharest**

19 October 2024

09:00 - 09:15 (GMT+2) **Registration of the participants/ Online access to the conference/ Opening of the conference proceedings - Day 2**

★ **BGen (retd) Professor PhD. Gheorghe POPA** - President of the Romanian Forensic Scientists Association

09:15 - 13:00 **Articles presentation session**

Moderators:
Professor PhD. lawyer Petre BUNECI - Faculty of Law, Ecological University of Bucharest, Romania, First Vice-president of the Romanian Forensic Scientists Association
Col. magistrate (r.), university lecturer PhD. Florin-Stelian BOBIN - Founding Member and Chair of the Forensic Tactics Department of the Romanian Forensic Scientists Association

09:15 - 9:35 **Forensic Specialist Ph.D student Silviu PREDESCU** - Forensic Science Department within the Timiş County Police Inspectorate, „Babeş-Bolyai" University of Cluj-Napoca, Romania, Member of the Romanian Forensic Scientists Association, Forensic Technical Department

"***The impact of "Deep Learning" in Forensic Identification. Limits, advantages and ethical implications.***"

9:35 - 09:55 **Professor habil. PhD. lawyer Constantin DUVAC** - Academy of Economic Studies, Faculty of Law, Romania, Honorary President of the Romanian Forensic Scientists Association, President of the Criminal Sciences Section of the Romanian Academy of Legal Sciences, Vice-President of the Romanian Lawyers' Union, President of the Romanian Association of Criminal Sciences

"***The influence of Artificial Intelligence on the institutions of Romanian criminal law and the need to rethink them***"

09:55 - 10:20	**Professor PhD. Dmitry V. BAKHTEEV** - Doctor of Law, Associate Professor at Ural State Law University named after V.F. Yakovlev, Chief Researcher of the Scientific Research Department, Russian Federation ***„Significance and risks of automated verification of handwritten signatures on the example of the NSP-SigVer project"***
10:20 - 10:40	**PhD. in Legal Sciences, Trainer, Judicial Expert Olga CATARAGA** - Director of the National Center for Judicial Expertise, Ministry of Justice, Chisinau, Republic of Moldova **Judicial Expert Piotr PETCOVICI** - Deputy Director of the National Center for Judicial Expertise, Ministry of Justice, Chisinau, Republic of Moldova ***„Modern aspects of digitalization and artificial intelligence in judicial expertise"***
10:40 - 11:00	**Anna D. TSVETKOVA** - Junior researcher at the Laboratory of Digital Technologies in Forensics of the V. F. Yakovlev Ural State Law University, Russian Federation "***Study of behavioural biometrics for forensic identification of the executor of printed text***"
11:00 - 11:20	**Associate Professor Eng. PhD. Iustin PRIESCU** - "Titu Maiorescu" University of Bucharest, Faculty of Informatics, Romania **Associate Professor PhD. Geanina Silviana BANU** - "Titu Maiorescu" University of Bucharest, Faculty of Informatics, Romania **Associate Professor PhD. Daniela JOIȚA** - "Titu Maiorescu" University of Bucharest, Faculty of Informatics, Romania **Associate Professor PhD. Tudor-Cătălin APOSTOLESCU** - "Titu Maiorescu" University of Bucharest, Faculty of Informatics, Romania "***Generative Artificial Intelligence in automating complex processes and rapid analysis of large data volumes in forensic identification***"
11:20 - 11:40	**IT Specialist Alexandra CONSTANTIN** - National Anticorruption Directorate, Bucharest, Romania ***„ Digital investigations and AI***"
11:40 - 12:05	**Profesor PhD. Tal PAVEL** - Cyber expert, Founder and Director of the private owned Institute for Cyber Policy Studies - CyBureau and Head of the Cybersecurity Studies in the Information Systems School at the Academic College of Tel Aviv Yaffo, Israel, Member of the Romanian Forensic Scientists Association "***Fostering AI in Romania: Government Initiatives, Startups, and Academic Contributions***"
12:05 - 13:30	**Professor Eng. PhD. Titi PARASCHIV** - "Titu Maiorescu" University of Bucharest, Romania "***Predictability of criminal behavior. Identification of specific crime patterns through EEG wave processing***" **Lawyer PhD. student Artin SARCHIZIAN** - Bucharest, Romania ***„ Neuroimaging and the Activation of Place Cells: A New Forensic Clue***" **Forensic Expert Emanuel APETREI** - National Forensic Science Institute within the General Inspectorate of the Romanian Police, Bucharest, Romania ***„The contribution of Artificial Intelligence to the creation and development of facial recognition solutions***

Forensic Firearms Expert PhD. student George-Daniel DOBRIN - National Forensic Science Institute within the General Inspectorate of the Romanian Police, Bucharest, Romania, Member of Romanian Forensic Scientists Association, Forensic Expertise Department

"***The examiner's opinion and Artificial Intelligence in forensic identification of the firearm***"

Forensic Expert PhD. Dora-Domnica BACIU - National Forensic Expertise Institute within the Ministry of Justice of Romania
Forensic Expert PhD. Gheorghe POP - National Forensic Expertise Institute within the Ministry of Justice of Romania
Forensic Expert Vasile TURCITU - National Forensic Expertise Institute within the Ministry of Justice of Romania

„***Resolving a classic "suicide or murder" dilemma through a complex multidisciplinary approach***"

Prosecutor PhD. student Nadia ZLATE - National Anticorruption Directorate, Constanța Territorial Service, Romania

„***The legal nature of chatbot evidence***"

Col. (r.) PhD. Sorin Silviu FINTA - Adjunct Professor at the University "1 Decembrie 1918" Alba Iulia, Romania

"***Digital Forensics. The Challenges of Searching Computer Systems and Authorized Access to a Computer System***"

Lecturer PhD.. Mihaela AGHENIȚEI - "Dunărea de Jos" University of Galați, Romania, Director of the Research Center, Faculty of Law and Administrative Sciences, ESIL member, ELI member, Member of the Romanian Forensic Scientists Association, University Education Department
Trainee Lawyer Camelia-Andreea STOIAN - The National Union of Romanian Bar Associations, The Bucharest Bar, Romania

"***Computer crime, prevention and risk factor***"

Forensic Expert Paul CHENDE - Police chief commissioner, Head of the Forensic Science Department within the Maramureş County Police Inspectorate, Romania, Chair of the Research, Innovation, Development Department within the Romanian Forensic Scientists Association

„***Automated ballistic identification systems: classics and systems that perform topographic measurements of surfaces. types and methods of analysis.***"

Associate Professor PhD. Nelu NIȚĂ - Faculty of Economic, Legal and Administrative Sciences, "George Bacovia" University of Bacău, Romania
Professor PhD. Nicoleta-Elena HEGHEŞ - Researcher 2nd Degree at "Acad. Andrei Rădulescu" Institute of Legal Research of the Romanian Academy, Faculty of Juridical and Administrative Sciences "Momcilo Luburici", "Dimitrie Cantemir" Christian University of Bucharest, Romania, Vice-president of the Romanian Forensic Scientists Association

„***Artificial intelligence and the opportunities offered to detect simulated behavior during criminal prosecution***"

Associate Professor PhD. lawyer Adrian-Cristian MOISE - Faculty of Legal, Economic and

Administrative Sciences in Craiova, „Spiru Haret" University of Bucharest, Romania, Chair of the University Education Department within the Romanian Forensic Scientists Association

„***Aspects regarding the use of Artificial Intelligence applications in criminal investigation***"

Associate Professor PhD. Gheorghe-Iulian IONIȚĂ - Faculty of Law, Romanian-American University, Bucharest, Romania, Member of the Romanian Forensic Scientists Association, University Education Department

„***Artificial Intelligence and Criminal Justice: Realities and Perspectives***"

Associate Professor PhD. Bogdan BUNECI - Faculty of Law, Ecological University of Bucharest, Romania, Member of the Romanian Forensic Scientists Association, University Education Department

„***Criminal procedural and forensic aspects regarding genetic identification***"

Professor PhD. in Law, lawyer Vitalie RUSU - Dean of the Faculty of Law and Social Sciences, "Alecu Russo" State University of Bălţi, Republic of Moldova, Member of the Romanian Forensic Scientists Association, University Education Department
Phd. student Cristian TUDURUȚA - Doctoral School in Law, Political and Administrative Sciences of the Consortium of educational institutions ASEM and USPEE

„***Tactical and methodological peculiarities of investigation of criminal offenses in combat and war conditions***"

Associate Professor PhD. in Law Tatiana VIZDOAGĂ - State University of Moldova, Faculty of Law, Chisinau, Republic of Moldova, Member of the Romanian Forensic Scientists Association, University Education Department
Lecturer PhD. candidate judge Aureliu POSTICĂ - State University of Moldova, Faculty of Law, Chisinau, Republic of Moldova

„Limitations of criminal case judgment in relation to european standards of a fair trial"

Associate Professor PhD. in Law Vitalie JITARIUC - Dean of the Faculty of Law and Public Administration, „Bogdan Petriceicu Haşdeu" State University of Cahul, Republic of Moldova, Member of the Romanian Forensic Scientists Association, University Education Department
Assistant PhD. student Oxana CIUDIN - Bogdan Petriceicu Haşdeu" State University of Cahul, Republic of Moldova

„***Some theoretical-practical reflections on the organization and preparation of the experiment in criminal proceedings***"

Forensic Expert PhD. Petruţ-Florin ENACHE - National Forensic Science Institute within the General Inspectorate of the Romanian Police, Bucharest, Romania
Forensic Expert Adrian MITROFAN - National Forensic Science Institute within the General Inspectorate of the Romanian Police, Bucharest, Romania, Member of Romanian Forensic Scientists Association, Forensic Expertise Department
Forensic Expert Chemist Eng. PhD. Maria-Georgeta STOIAN - Adjunct Professor, Faculty of Law, „Titu Maiorescu" University of Bucharest, Romania, Secretary general of Romanian Forensic Scientists Association

"***Examination of paper sheets in order to establish a possible substitution of some pages printed successively - between certainty and uncertainty-***"

Associate Professor, Ph.D in Law Vitalie IONAȘCU - Dean, Faculty of Law, Administration, Order and Public Security, „Ștefan cel Mare” Academy of the MAI, Republic of Moldova
Jurist PhD. student Beniamin LUP - Doctoral student at the "Criminal Sciences and Public Law" Doctoral School, "Ștefan cel Mare" Academy of the MAI of the Republic of Moldova

„***Modern approaches to the personality typologies of human trafficking offenders***”

Police Chief Commissioner PhD. Cosmin-Sandu BĂDELE - Expert within the Ministry of Internal Affairs, General Directorate of Operational Management, Romania
PhD. student Alexandra-Etelca NECHITA - German Language Professor, Laude-Reut Educational Complex, Bucharest, Romania, Member of the Romanian Forensic Scientists Association, National and International Interinstitutional Relations and Cooperation Department
Police Chief Commissioner PhD. Adrian-Constantin ACHIM - Expert within the Ministry of Internal Affairs, General Directorate of Operational Management, Romania, Member of the Romanian Forensic Scientists Association, University Education Department

„***Digital expertise and artificial intelligence in identifying fraud and cyber crime***”

Associate Professor PhD. in Law Vitalie JITARIUC - Dean of the Faculty of Law and Public Administration, „Bogdan Petriceicu Haşdeu” State University of Cahul, Republic of Moldova, Member of the Romanian Forensic Scientists Association, University Education Department
PhD. student Alexandr SECRIER - Doctoral student at the Doctoral School of Legal Sciences and International Relations, University of European Studies of Moldova

„***Technical and forensic forensic assurance of criminal prosecution in the investigation of terrorist acts***”

Judicial Expert Lilian BELIBOV - Deputy Director of the National Center for Judicial Expertise, Ministry of Justice, Chişinău, Republic of Moldova
Judicial Expert Nicolae LEFTER - National Center for Judicial Expertise, Ministry of Justice, Chişinău, Republic of Moldova

„***Are the examination and the complex expertise identical?***”

13:00 - 13:30 **Lunch break**

13:30 - 15:30 **Articles presentation session**

Moderators:
Professor habil. PhD. Elena-Ana IANCU - “Aurel Vlaicu” University of Arad, Romania, Chair of the Forensic Methodology Department within the Romanian Forensic Scientists Association
Associate Professor PhD. Adrian-Cristian MOISE - Faculty of Legal, Economic and Administrative Sciences in Craiova, „Spiru Haret” University of Bucharest, Romania, Chair of the University Education Department within the Romanian Forensic Scientists Association

Professor PhD.. Carmen-Silvia PARASCHIV - Faculty of Law, "Titu Maiorescu" University of Bucharest, Romania, Member of the Romanian Forensic Scientists Association, University Education Department

„Hearing the witness in the criminal trial and the role of Artificial Intelligence in protecting it”

Forensic Expert Daniel-Viorel SECU - National Forensic Expertise Institute within the

Ministry of Justice of Romania
Forensic Expert Alexandru MOSOREANU - National Forensic Expertise Institute within the Ministry of Justice of Romania
Forensic Expert Cristina Elena PÎRVU-MUŞAT - National Forensic Expertise Institute within the Ministry of Justice of Romania
Forensic Expert Cătălina AXINTE - National Forensic Expertise Institute within the Ministry of Justice of Romania

„***EES parameter estimation using an AI algorithm in road traffic accidents forensic expertise***"

PhD. student Alexandra-Etelca NECHITA - German Language Professor, Laude-Reut Educational Complex, Bucharest, Romania, Member of the Romanian Forensic Scientists Association, National and International Interinstitutional Relations and Cooperation Department
Police Chief Commissioner PhD. Adrian-Constantin ACHIM - Expert within the Ministry of Internal Affairs, General Directorate of Operational Management, Romania, Member of the Romanian Forensic Scientists Association, University Education Department
Police Chief Commissioner PhD. Cosmin-Sandu BĂDELE - Expert within the Ministry of Internal Affairs, General Directorate of Operational Management, Romania

„***Considerations regarding the applicability of Artificial Intelligence in the detection of manipulative language in the profiling of criminals***"

Ph.D student Bogdan DRĂGULIN - „Valahia" University of Târgovişte, Romania

"***Using advanced algorithms for analysis of static and moving images: establishing context and determining relational velocities***"

Associate Professor PhD. in Law Tatiana VIZDOAGĂ - State University of Moldova, Faculty of Law, Chisinau, Republic of Moldova, Member of the Romanian Forensic Scientists Association, University Education Department

„***Videoconference – an innovative approach in criminal procedure***"

Lecturer PhD. Ruxandra Victoria PARASCHIV - "Titu Maiorescu" University of Bucharest, Romania

„The impact of Artificial Intelligence on Forensic Identification: Psychological and Ethical Implications"

Police chief commissioner Forensic Specialist Eng. PhD. Leonaş CIULINARU - National Forensic Science Institute within the General Inspectorate of the Romanian Police, Bucharest, Romania

„***The impact of artificial intelligence and digital forensics in solving crimes***"

Lecturer PhD. Bogdan MĂLINESCU - Primary forensic pathologist, Doctor of medical sciences (MD), Head of Ilfov Medico-Legal Service, Romanian-American University of Bucharest, Romania, Member of the Romanian Forensic Scientists Association, University Education Department

„***Medico-legal and forensic challenges in atypical suicides***"

Associate Professor PhD. Victor-Andrei CĂRCĂLE - „Ştefan cel Mare" University of

Suceava, Ph.D student at the Doctoral School of Law within "Titu Maiorescu" University of Bucharest, Romania, Member of Romanian Forensic Scientists Association, University Education Department

"***Using Artificial Intelligence in Forensic Investigation: Advanced Technologies for Crime Detection and Prevention***"

Forensic Expert Ilie-Dragoş NAIBA - Cluj County Police Inspectorate, Romania, Chair of the Forensic Technical Department within the Romanian Forensic Scientists Association
Forensic Technician Bettina HUSZAK - Cluj County Police Inspectorate, Romania, Member of the Romanian Forensic Scientists Association, Forensic Technical Department

„ ***Fingermarks transfer while wearing latex or leather gloves***"

15:30 - 15:45 **Coffee break**

15:45 - 17:00 **Lecturer PhD. Cornelia Beatrice Gabriela ENE-DINU** - Faculty of Law, "Nicolae Titulescu" University, Bucharest, Romania

„***The Impact of GDPR on Forensic Identification Technologies: Artificial Intelligence, Fingerprints, and DNA in Modern Investigations***"

Judge Mihai-Costin TOADER - Pucioasa Court, Romania

„***Money laundering: modes of operation influenced by artificial intelligence***"

Associate Professor PhD. in Law Vitalie JITARIUC - Dean of the Faculty of Law and Public Administration, „Bogdan Petriceicu Haşdeu" State University of Cahul, Republic of Moldova, Member of the Romanian Forensic Scientists Association, University Education Department
Lecturer PhD. Dumitru DUMITRAŞCU - „Bogdan Petriceicu Haşdeu" State University of Cahul, Republic of Moldova

„***Procedure of judicial expertise in criminal and civil proceedings of the Republic of Moldova***"

Associate Professor Ph.D in Law Albert ANTOCI - Faculty of Law, Administration, Order and Public Security, „Ştefan cel Mare" Academy of the MAI, Republic of Moldova
Legal advisor PhD. student Ana LAZĂR - TRANDAFIRA - Doctoral student at the "Criminal Sciences and Public Law" Doctoral School, "Ștefan cel Mare" Academy of the MAI of the Republic of Moldova

„***Modern approaches in the investigation of property crimes: the use of artificial intelligence in forensic identification***"

Associate Professor PhD. Nelu NIȚĂ - Faculty of Economic, Legal and Administrative Sciences, "George Bacovia" University of Bacău, Romania
Forensic Specialist Cătălin APREUTESEI - Bacău County Police Inspectorate, Romania, Forensic Science Department, Head of Crime Scene Investigation Bureau

„***Shorts considerations on the Impact of Artificial Intelligence on Forensic Science***"

Forensic Expert Adrian MITROFAN - National Forensic Science Institute within the General Inspectorate of the Romanian Police, Bucharest, Romania, Member of Romanian Forensic Scientists Association, Forensic Expertise Department
Forensic Expert PhD. Petruţ-Florin ENACHE - National Forensic Science Institute within

the General Inspectorate of the Romanian Police, Bucharest, Romania
Forensic Expert Cristina MANEA - General Directorate of Police of the Municipality of Bucharest, Forensic Science Service, Romania

"***Differentiating the writter based on the writing possibilities reflected by his own handwriting/ signature - between impossibility and certainty -***"

Associate Professor PhD. Andrei NASTAS - „Dunărea de Jos" University of Galați, Romania
Associate Professor PhD. Sergiu CERNOMOREȚ - „Dunărea de Jos" University of Galați, Romania

„***Tactics of interrogation for exposing and neutralizing knowingly false statements made by witnesses and victims***"

Forensic Firearms Expert PhD. student George-Daniel DOBRIN - National Forensic Science Institute within the General Inspectorate of the Romanian Police, Bucharest, Romania, Member of Romanian Forensic Scientists Association, Forensic Expertise Department

Lecturer Eng. PhD. Laviniu-Octavian HALLER - Armament Systems Engineering and Mechatronics Department, Military Technical Academy „Ferdinand I", Bucharest, Romania
„***Polymer-coated bullets – current challenges in forensic identification of the firearm***"

Judicial Expert Victoria PRISĂCARU - National Anticorruption Center, Chisinau, Republic of Moldova
Judicial Expert Silvia LUPU - National Center for Judicial Expertise, Ministry of Justice, Chisinau, Republic of Moldova

„***Forensic aspects in judicial-accounting expertise***"

Associate professor PhD. Adriana-Camelia VOICU - Faculty of Law and Public Administration, „Spiru Haret" University of Bucharest, Romania, Member of the Romanian Forensic Scientists Association, University Education Department

„***Hearing of minors and forensic tactics: a combination of rights and methods***"

Associate Professor PhD. in Law Vitalie JITARIUC - Dean of the Faculty of Law and Public Administration, „Bogdan Petriceicu Haşdeu" State University of Cahul, Republic of Moldova, Member of the Romanian Forensic Scientists Association, University Education Department
Assistant PhD. student Olesea BLAŞCU - „Bogdan Petriceicu Haşdeu" State University of Cahul, Republic of Moldova

„***Application of specialized knowledge in the process of investigating sexual offenses***"

Forensic Expert Adrian MITROFAN - National Forensic Science Institute within the General Inspectorate of the Romanian Police, Bucharest, Romania, Member of Romanian Forensic Scientists Association, Forensic Expertise Department
Forensic Expert Ioana NISTOR - Forensic Science Department, Constanta County Police Inspectorate, Romania, Member of Romanian Forensic Scientists Association, Forensic Expertise Department

„***How a signature is formed - A forensic approach -***"

Associate Professor PhD. Laura-Roxana POPOVICIU - Agora University of Oradea, Romania, Member of the Romanian Forensic Scientists Association, University Education

Department

„***The fundamental principle of the personal character of criminal liability***”

PhD. student Mădălina-Elena MASCARELL - Doctoral School of Law within the "Titu Maiorescu" University in Bucharest, Romania, Member of the Romanian Forensic Scientists Association, University Education Department

„***Artificial Intelligence: the new frontier in forensic expertise***”

Teacher of psychology, master's student Mădălin NICULAE - "Titu Maiorescu" University of Bucharest, Master's student "Forensic Psychology", Romania, Member of the Romanian Forensic Scientists Association, University Education Department

„***Unraveling the psychic mechanisms involved in overtaking the corpse - The assassin woman, an interdisciplinary approach***”

17:00 - 17:15 **Discussions, conclusions and closing of the conference proceedings**

SCIENTIFIC COMMITTEE:

1. Professor PhD. Gheorghe POPA - Faculty of Law, Romanian-American University of Bucharest, Romania, Forensic Expert, President of the Romanian Forensic Scientists Association
2. Professor PhD. Petre BUNECI - Faculty of Law, Ecological University of Bucharest, Romania, First Vice-president of the Romanian Forensic Scientists Association
3. Professor PhD. Nicoleta-Elena HEGHEŞ - Researcher 2nd Degree at “Acad. Andrei Rădulescu” Institute of Legal Research of the Romanian Academy, Faculty of Juridical and Administrative Sciences ”Momcilo Luburici”, “Dimitrie Cantemir” Christian University of Bucharest, Romania, Vice-president of the Romanian Forensic Scientists Association
4. Forensic Expert Chemist eng. PhD. Maria-Georgeta STOIAN - Adjunct Professor, Faculty of Law, „Titu Maiorescu” University of Bucharest, Romania, Secretary General of the Romanian Forensic Scientists Association
5. Professor PhD. Evelina Mirela OPRINA - Director of the “Acad. Andrei Rădulescu” Legal Research Institute of the Romanian Academy
6. Police chief commissioner Forensic Expert Daniel STAICU - Deputy Director of the National Forensic Science Institute within theGeneral Inspectorate of the Romanian Police, Chair of the Forensic Expertise Department within the Romanian Forensic Scientists Association
7. Judicial Expert PhD. of Legal Sciences Olga CATARAGA - Director of the National Center of Judicial Expertise within the Ministry of Justice of the Republic of Moldova
8. Professor habil. PhD. Constantin DUVAC - Faculty of Law, Academy of Economic Studies of Bucharest, Vice-President of the Romanian Lawyers Union, Honorary President of the Romanian Forensic Scientists Association
9. Professor habil PhD. Costel NEGRICEA - Rector of the Romanian-American University of Bucharest, Romania
10. Professor habil. PhD. Elena-Ana IANCU - “Aurel Vlaicu” University in Arad, Romania, Vice-president of SARA Law Research Center, Chair of the Forensic Methodology Department within the Romanian Forensic Scientists Association

11. Associate Professor PhD. Dan VOINEA - Faculty of Law and Economic Sciences in Târgu Jiu, „Titu Maiorescu" University of Bucharest, Romania, Vice-president of the Romanian Forensic Scientists Association

12. Associate Professor PhD. Octavian Mădălin BUNOIU - Vice-Rector of the West University of Timişoara, Romania

13. Associate Professor PhD. Manuela TĂBĂRAŞ - Dean of the Faculty of Law, „Titu Maiorescu" University of Bucharest, Romania

14. Associate Professor PhD. Constanţa MĂTUŞESCU - Dean of the Faculty of Legal and Administrative Sciences, „Valahia" University in Târgovişte, Romania

15. Associate Professor PhD. Titus CORLĂŢEAN - Faculty of Security and Defense, „Carol I" National Defense University from Bucharest, Romania

16. Associate Professor habil. PhD. Sorin ALĂMOREANU - Faculty of Law, „Babeş-Bolyai" University of Cluj-Napoca, Romania

17. Professor PhD. Adrian STOICA-CONSTANTIN - Dean of the Faculty of Law and Administrative Sciences, „Ovidius" University in Constanţa, Romania

18. Professor PhD. Vasile DRĂGHICI - Faculty of Law and Administrative Sciences, „Ovidius" University in Constanţa, Romania

19. Professor PhD. Carmen-Silvia PARASCHIV - Faculty of Law, „Titu Maiorescu" University of Bucharest, Romania, Member of the Romanian Forensic Scientists Association

20. Professor PhD. Mihai Adrian HOTCA - President of the Romanian Business Criminal Law Association

21. Professor PhD. in Law Vitalie RUSU - Dean of the Faculty of Law and Social Sciences, "Alecu Russo" State University of Bălţi, Republic of Moldova, Member of the Romanian Forensic Scientists Association

22. Associate Professor PhD. in Law Vitalie JITARIUC - Dean of the Faculty of Law and Public Administration, State University „Bogdan Petriceicu Haşdeu" of Cahul, Republic of Moldova, Member of the Romanian Forensic Scientists Association

23. Professor Eng. PhD. Ana-Maria GRĂMESCU - Ph.D Supervisor - Institute of Doctoral Studies, „Ovidius" University in Constanţa, Romania, Member of the Romanian Forensic Scientists Association

24. Associate Professor PhD. Adrian-Cristian MOISE - Faculty of Legal, Economic and Administrative Sciences in Craiova, „Spiru Haret" University of Bucharest, Romania, Chair of the University Education Department within the Romanian Forensic Scientists Association

25. Profesor PhD. Tal PAVEL - Cyber expert, Founder and Director of the private owned Institute for Cyber Policy Studies - CyBureau and Head of the Cybersecurity Studies in the Information Systems School at the Academic College of Tel Aviv Yaffo, Israel, Member of the Romanian Forensic Scientists Association

THE ORGANIZING COMMITTEE:

1. Professor PhD. Gheorghe POPA - Faculty of Law, Romanian-American University of Bucharest, Romania, Forensic Expert, President of the Romanian Forensic Scientists Association

2. Forensic Expert Chemist eng. PhD. Maria-Georgeta STOIAN - Adjunct Professor, Faculty of Law, „Titu Maiorescu" University of Bucharest, Romania, Secretary General of the Romanian Forensic Scientists Association

3. Professor PhD. Nicoleta-Elena HEGHEŞ - Researcher 2nd Degree at "Acad. Andrei Rădulescu" Institute of Legal Research of the Romanian Academy, Faculty of Juridical and Administrative Sciences "Momcilo Luburici", "Dimitrie Cantemir" Christian University of Bucharest, Romania, Vice-president of the Romanian Forensic Scientists Association

4. Police Chief Commissioner Forensic Expert Daniel STAICU - Deputy Director of the National Forensic Science Institute within the General Inspectorate of the Romanian Polic, Chair of the Forensic Expertise Department within the Romanian Forensic Scientists Association

5. Professor PhD. Carmen-Silvia PARASCHIV - Faculty of Law, „Titu Maiorescu" University of Bucharest, Romania, Member of the Romanian Forensic Scientists Association

6. Associate Professor PhD. Titus CORLĂŢEAN - Faculty of Security and Defense, „Carol I" National Defense University from Bucharest, Romania

7. Associate Professor PhD. Nelu NIŢĂ - Faculty of Economic, Legal and Administrative Sciences, „George Bacovia" University of Bacău, Romania

8. Associate Professor PhD. Adrian-Cristian MOISE - Faculty of Legal, Economic and Administrative Sciences in Craiova, „Spiru Haret" University of Bucharest, Romania, Chair of the University Education Department within the Romanian Forensic Scientists Association

9. Associate Professor PhD.Bogdan BUNECI - Faculty of Law, Ecological University of Bucharest, President of Association of Criminal Lawyers from Romania, Member of the Romanian Forensic Scientists Association

10. Associate Professor PhD. POPESCU CORINA-FLORENŢA - Faculty of Law, Ecological University of Bucharest, Romania, Chair of the National and International Interinstitutional Relations and Cooperation Department within the Romanian Forensic Scientists Association

11. Associate Professor PhD. Gheorghe-Iulian IONIŢĂ - Faculty of Law, Romanian-American University, Bucharest, Romania, Member of the Romanian Forensic Scientists Association

12. Associate Professor PhD. Victor-Andrei CĂRCĂLE - Faculty of Law, „Ştefan cel Mare" University of Suceava, Romania, Member of the Romanian Forensic Scientists Association

13. Assistant PhD. Niculae GAMENŢ - Faculty of Law, Romanian-American University of Bucharest, Romania, Member of the Romanian Forensic Scientists Association

14. Lecturer PhD. Simona FRĂNGULOIU - Associate researcher at "Acad. Andrei Rădulescu" Legal Research Institute of the Romanian Academy, Trainer at National Institute of Magistracy, Bucharest, Faculty of Economic and Legal Sciences, "Constantin Brâncoveanu" University of Piteşti, Romania, Member of the Romanian Forensic Scientists Association

15. Lecturer PhD. Nelu Dorinel POPA - Faculty of Law, "Dimitrie Cantemir" University Târgu Mureş, Romania, Vice-president of the Mureş Branch of the Romanian Association of Criminal Sciences, Member of the Romanian Forensic Scientists Association

16. Forensic Expert Leonard TOCAN - Vice-president of the Romanian Forensic Scientists Association

17. Forensic Expert Ilie-Dragoş NAIBA - Cluj County Police Inspectorate, Romania, Chair of the Forensic Technical Department within the Romanian Forensic Scientists Association

18. Forensic Expert Mihai-Paul CHENDE - Head of the Forensic Science Department within the Maramureş County Police Inspectorate, Chair of the Research, Innovation, Development Department within the Romanian Forensic Scientists Association

19. Forensic Expert Ion PLEŞEA - Chair of the Administrative Support Department within the Romanian Forensic Scientists Association

20. PhD. student Cosmin ANDREICA, , President of the European Policemen Union „EUROPOL" Romani

21. Forensic accounting expert and financial auditor Aurel ANDREI - President of the Bucharest branch of CECCAR, Member of Romanian Forensic Scientists Association

22. Forensic Specialist PhD. Student Silviu PREDESCU - Forensic Science Department within the Timiş County Police Inspectorate, „Babeş-Bolyai" University of Cluj-Napoca, Romania, Member of the Romanian Forensic Scientists Association

TECHNICAL SECRETARIAT OF THE CONFERENCE:

1. Associate Professor PhD. POPESCU CORINA-FLORENŢA - Faculty of Law, Ecological University of Bucharest, Romania, Chair of the National and International Interinstitutional Relations and Cooperation Department within the Romanian Forensic Scientists Association

2. Engineer Anca-Elena BĂLAN - Chair of the Project Preparation and Implementation Department within the Romanian Forensic Scientists Association

3. Ştefania DONIŢĂ, Member of the Romanian Forensic Scientists Association

4. Master's student Cristian DAN, Member of the Romanian Forensic Scientists Association

5. Student Denisa-Valentina MURARIU, Member of the Romanian Forensic Scientists Association