



PROCEEDINGS



09.00 – 09.30 **REGISTRATION**

09.30 – 10.30 **WELCOME ADDRESSES**



- **Rena Bardani**, *Chair of the Board of ELINYAE*
- **Kostas Karagkounis**, *Deputy Minister of Labour and Social Security of Greece* **ONLINE**
- **Polyzois Paraskevopoulos**, *President of the Thrace Regional Department of the Technical Chamber of Greece (TEE Thrace)*
- **Denald GeorgeTafari**, *President of the Hellenic Business Association of Albania*

Moderator: Irma Rizakou

Memorandum of Understanding Democritus University of Thrace - ELINYAE

- **Fotis Maris**, *Rector of Democritus University of Thrace*
- **Maria Grigoriou**, *Vice Rector of Democritus University of Thrace*
- **Prof. T.C. Constantinidis**, *M.D., Ph.D., Dean of School of Health Sciences, Democritus University of Thrace*
- **Rena Bardani**, *Chair of the Board of ELINYAE*

10.30 – 11.15 **KEYNOTE SPEECHES**



**The Importance of Medical Surveillance Programs
in Occupational Health**

Jacqueline M. Moline, MD, MSc

*Professor and Chair, Senior Vice President
Occupational Medicine, Epidemiology and Prevention
Zucker School of Medicine at Hofstra/Northwell, USA*

PEROSH: Advancing OSH Across Europe

Jan Michiel Meeuwssen MA

Director International Affairs, PEROSH, Netherlands

Coordinated by: Evangelia Nena MD, PhD

11.15 – 13.00 PARALLEL SESSIONS 1-3



SAMOTHRAKI HALL

SESSION 1

Recent developments in Occupational Health

The Future Is Here: Navigating the Changing World of Work in Healthcare

Evangelia Nena MD, PhD

Occupational Physician, Professor and Head of the Laboratory of Social Medicine, Medical School, Democritus University of Thrace, Greece

Reprotoxic chemicals in the workplace: lights and shadows on risk assessment and management

Giovanna Tranfo, PhD

Research Director, Head of the Department of Occupational and Environmental Medicine, Epidemiology and Hygiene, INAIL, Italy

Occupational Zoonoses and the One Health approach: A Unified Perspective for Occupational Safety and Health

Jovanka Bislimovska MD, MSc, PhD

Professor, Faculty of Medicine, Ss Cyril and Methodius University in Skopje, Coordinator of SEE Network on Workers Health (SEENWH), R.N. Macedonia

ONLINE



THRACE I

SESSION 2

Contemporary Ergonomics

From human-centered to person-centered approaches: exploring implications and opportunities for industry 5.0

Pedro Ferreira, PhD

Joint Professor – CENTEC, University of Lisbon, Treasurer – Federation of European Ergonomics Societies (FEES), Portugal

The dialectics between task and activity: work as prescribed as espoused and as done

Dimitrios Nathanail

Associate Professor of Ergonomics, School of Mechanical Engineering, National Technical University of Athens, Greece

Advancing Health and Safety Through Comprehensive Ergonomics Approach

Prof. Dr Aleksandar Zunjic

Faculty of Mechanical Engineering, University of Belgrade, Secretary-General of the Federation of European Ergonomics Societies (FEES) – Chair of the Safety & Health Technical Committee of the International Ergonomics Association (IEA), Serbia



THRACE II

SESSION 3

Safety in Action

Safety assessment by amalgamating deterministic & stochastic techniques

Dr Panagiotis K. Marhavilas

Electrical & Computer Engineer (Dipl. Eng., MSc, dual PhD) Laboratory Teaching & Research Staff Member, Laboratory of Ergonomics and Occupational Safety, Department of Production & Management Engineering, Democritus University of Thrace, Greece

Smart Technologies and AI-Driven Innovations for Enhancing Workplace Safety and Wellbeing

Trajce Velkovski

Ass. Professor, Cyril and Methodius University in Skopje, Faculty of Mechanical Engineering, R.N. Macedonia

11.15 – 13.00 PARALLEL SESSIONS 1-3

 SAMOTHRAKI HALL	 THRACE I	 THRACE II
SESSION 1 Estimating workplace heat stress - analyzing measurement data from field studies Dr Sofia Konstantopoulou <i>Environmental Engineer, MSc, MSc, PhD Medical School of Athens, Determination of Hazardous Agents Dpt Manager, ELINYAE, Greece</i>	SESSION 2 ISO 2631-1 under consideration! Extreme positions/postures when operate loading and unloading systems in combination with total body vibration require special measures to prevent MSK stresses Prof. Dr Panagiotis V. Tsaklis <i>Biomechanics and Ergonomics @ErgoMechLab, DPES, University of Thessaly, Dept of Molecular Medicine and Surgery, Karolinska Institute, SE IEA Tech Committee Safety & Health, Greece</i> Designing work for humans in all their complexity: physical, cognitive, & social Ilias Banoutsos <i>Ergonomist, Founder & Managing Director of Ergonomia SA, Greece</i>	SESSION 3 Industrial accident protection planning at HI “Polix” AD Berane Prof. dr Dražen Božović <i>Associate professor, University of Donja Gorica, Podgorica, Montenegro</i> Leadership & safety culture at workplaces Evangelia Stefa <i>Section Head Health & Safety Management MOTOR OIL, Greece</i> Surface Control, Underground Safety: Hellas Gold’s remote first mucking at Olympias underground mine Dimitrios Foukas <i>Trainer, machinery operator underground, Hellas Gold, Greece</i> Triada Apostolou <i>Underground production engineer, Hellas Gold, Greece</i>
Moderators: N. Manousi, K. Poullos	Moderator: Dr T. Koukoulaki	Moderator: Ch. Chatziioannou

13.00 – 14.00 LIGHT LUNCH

14.00 – 15.00

PANEL DISCUSSION: ETHICAL ISSUES AND NEW TECHNOLOGIES

 **SAMOTHRAKI HALL**

- **Alexandra Tsaroucha**, *Professor of Experimental Surgery, Director of the Postgraduate Program in Bioethics, School of Medicine, Democritus University of Thrace, Greece*
- **Vassilis Karasmanis**, *Emeritus Professor of Philosophy, National Technical University of Athens (NTUA), Greece*

Panel discussion coordinated by:

Prof. T.C. Constantinidis, M.D., Ph.D., *Occupational and Environmental Physician, Professor in Faculty of Medicine, Director of Laboratory of Hygiene and Environmental Protection, Dean of School of Health Sciences, Democritus University of Thrace, Alexandroupolis, Greece*

Rena Bardani, *Legal Professional, Chair of the Board of ELINYAE, Greece*

15.00 – 16.30

PARALLEL SESSIONS 4-6

 SAMOTHRAKI HALL	 THRACE I	 THRACE II
SESSION 4 AI and OSH The Critical Need for Benchmarking Large Language Models in Safety- Critical Domains Ioannis M. Dokas <i>Professor, Safety and Performance of Engineering Systems, Civil Engineering Department, Democritus University of Thrace, Greece</i> How Robotics and AI Will Transform Safety and Efficiency in the Workplace Dr Antonios E. Gkikakis <i>Senior Post-doctoral Researcher Exoskeletons Lab (XoLab), Istituto Italiano di Tecnologia (IIT), Italy</i>	SESSION 5 Rethinking health issues Mental health in the workplace Nurka Pranjić, MD, PhD <i>Professor emeritus Department of Occupational Medicine, Faculty of Medicine, University of Tuzla, Pranjic, Bosnia and Herzegovina</i> ONLINE  Remote Working Arrangements and the Future of Occupational Health & Safety: From the Workplace to Work from Anywhere Prof. Dr Sibel Kıran, MD, PhD <i>Occupational Health, Koç University – Department of Public Health, School of Medicine, Global Health, Institute of Health Sciences, Türkiye</i>	SESSION 6 OSH training developments Bridging Education and Occupational Safety: Innovative Approaches from VET to Postgraduate Training through the SETOFF & GROWTH Erasmus+ Projects Michail Chalaris <i>Ass. Professor - Retd Lt General (HFCs), Director of the MSc in Quality, Safety, Security, Health, and Environmental Management, Research Director on Risk, Hazards, Crises, and Safety, Hephaestus Advanced Laboratory, Chemistry School, Faculty of Sciences, Democritus University of Thrace, Greece</i> Passive Brain-Computer Interfaces for Enhancing Safety at Work Pietro Aricò <i>Associate Professor, Department of Computer, Control and Management Engineering (DIAG), Sapienza University of Rome, Italy</i>

15.00 – 16.30 PARALLEL SESSIONS 4-6



SAMOTHRAKI HALL

SESSION 4

Artificial Intelligence supporting Occupational Health and Safety: Opportunities, Benefits, and Ethical Challenges

Eva Tsovili

Occupational Doctor, Scientific Collaborator in the MSc Program “Occupational Health and Safety”, Medical School, Democritus University of Thrace, Greece

OSH meets Artificial intelligence: Shaping the Future of Safety Engineers

Dr Marko Djapan

Ass. Professor - Faculty of Engineering University of Kragujevac, Serbia

Implementation of new technologies in the General Turnaround of HELLENiQ PETROLEUM’s Elefsina Industrial Facilities

Asterios Lialios

Health, Safety and Environment Manager, HELLENiQ PETROLEUM Elefsina Industrial Facilities, Greece

Moderator: Dr P. Georgiadou



THRACE I

SESSION 5

Estimation of occupational morbidity and mortality in Greece

Vassilieios Drakopoulos

Occupational Physician, PhD, ELINYAE Advisor, Greece

The European program MH4HRM and the role of HR professionals in mental health promotion

Dr Theoni Koukoulaki

Surveying Engineer, Ergonomist, PhD, Eur. Erg., Research and Development Dpt Manager, ELINYAE Greece

Panel Discussion: Mental health in the workplace

Dr Eleni Douna

Occupational Physician MD, MSc, Thalpos Mental Health Workers’ Day Centre, Greece

Dr Maria Makridaki

Psychologist, BSc, MSc, Psych.D, Thalpos Mental Health Workers’ Day Centre Deputy Scientific Coordinator & Thalpos Kiparissia Psychosocial Rehabilitation Unit Scientific Coordinator, Greece

Moderator: A. Daikou



THRACE II

SESSION 6

Impact of Occupational Safety Training to Reduce Safety Accidents at Workplace

Ferid Azemi, Ph.D

Dean of Faculty Kosovo Academy for Public Safety, Republic of Kosovo

Personalized Safety: AI Agents and Intelligent Systems for Adaptive Training and Risk Management in OSH

Dr Kalliopi Kravari

CEO RESHUB LTD, AI Postdoctoral Researcher DUTH, Greece

Safety pass - An innovative tool for standardizing and validating H&S Lifelong training

Christos Chatzioannou

Electrical Engineer MSc, Education and Training Dpt Manager, ELINYAE, Greece

Moderator: A. Galanis

16.30 – 17.00 **COFFEE BREAK**

17.00 – 18.00 **PANEL DISCUSSION: SUSTAINABILITY AND REGIONAL ENTREPRENEURSHIP**

Corporate Ethics into Occupational Health and Safety: An Evaluation Framework towards sustainability

- **Dimitrios Dimitriou**, Professor, Head of the Department of Economics, Director of MaGBISE Research Laboratory, Director of MSc in Supply Chain Management, Democritus University of Thrace, Komotini, Greece

How regional entrepreneurship strengthens sustainability

- **Zefi Dimadama, MSc, PhD**, Lecturer, Panteion University of Social & Political Sciences, Dep. of International, European & Area Studies / f. Secretary General for Equality and Human Rights of Greece, President of Greece Women Association (Dep. Athens) / Member of Bod of Global Women Network “Leading Women for Oceans”, Member of Global Alliance for Feminist Transport, Greece

Sustainable regional projects

- **Roe Konstantarou**, QSHE & Sustainability Corporate Director, AVAX Group, Member of the Board of CSR Hellas, Greece

Sustainability as a Catalyst for Growth

- **Konstantina Kairidi**, Environmental Engineer, Democritus University of Thrace, MSc in Sustainability Management, Politecnico di Milano, ESG Associate at AKRITAS Wood Industry, Greece

Panel discussion coordinated by: Dr Antonis Targoutzidis

18.00 – 19.30 **PARALLEL SESSIONS 7-8 AND WOMEN' CORNER**

 SAMOTHRAKI HALL

SESSION 7
Critical OSH topics

Risks from Water Excess in Workplaces.
Awareness and preparedness

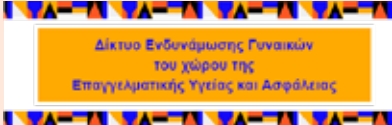
Dimitris Emmanouloudis
Professor of Mountainous Water Management, Director of ASSIST Laboratory, Department of Natural Environment and Climate Resilience, Democritus University of Thrace, Greece

 THRACE I

SESSION 8
OSH Management

Independent Authority “Labour Inspectorate”: Occupational Safety and Health Labour Inspectorate in the digital era

Nikolaos Maragkos
Head of Regional Directorate of Makedonia and Thrace Occupational Safety and Health Labour Inspectorate, Greece



WOMEN' CORNER
Return to work

18.00 – 19.30 PARALLEL SESSIONS 7-8 AND WOMEN' CORNER

 SAMOTHRAKI HALL

SESSION 7

From Data to Insights:
Tracking Accident Trends in
the Construction Sector

Ioannis Zevgolis
Associate Professor, School of Mining
and Metallurgical Engineering, National
Technical University of Athens, Greece

Safety Working in Confined Spaces

Nikola Kletnikov, MSc
President of Pillar Association,
Manager of DOOZYX, R.N. Macedonia

Health and safety in agriculture

Vassiliki Papaevangelou
Environmental Engineer, Assistant
Professor, Department of Agricultural
Development, Democritus University
of Thrace, Greece

NaTech Preparedness and Response
(Earthquake-Technological Accidents)

Mustaf Gashi
Emergency Manager, Emergency
Management Agency, Kosovo

Moderator: K. Zorba

 THRACE I

SESSION 8

Effective HSE management
in BESS systems

Panagiotis Sotiriadis
RES Safety & Environment Director
Health, Safety & Environment Group
Function, Public Power Corporation,
Greece

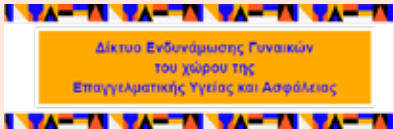
Three Years of Holistic Safety
Management: Insights and
Lessons from Implementation

Filio Boultouka
Health, Safety, Environment,
Sustainability and Quality Manager,
EKO Domestic Marketing, Greece

Challenges and priorities in OSH
and environment – Evidence from
research in Greece

Dr Paraskevi (Evi) Georgiadou
Chemical Engineer, Research and
Development Dpt, ELINYAE, Greece

Moderator: St. Kromydas



WOMEN' CORNER
Return to work

Dr Elena Vasileiou MD, MSc, PhDc
Occupational and Environmental
Medicine Specialist (OEM), Greece

Anastasia Beneka
Professor of Physical Rehabilitation,
Vice President of the Department
of Occupational Therapy, School of
Physical Education, Sports Science and
Occupational Therapy, Democritus
University of Thrace, Greece

Christina Palaialogou
Psychologist / President of the Cancer
Patients and Friends Association of
Evros "Synechizo", Greece

Eirini Apostolidou
Registered nurse, President of the
Union of Women of Greece (EGE) –
Alexandroupolis Branch, Greece

Moderators: K. Kapsali,
S. Sidiropoulou