



**EUROPEAN ACADEMY**  
of Sciences and Arts

2023  
**ANNUAL REPORT**

## ANNUAL REPORT 2023

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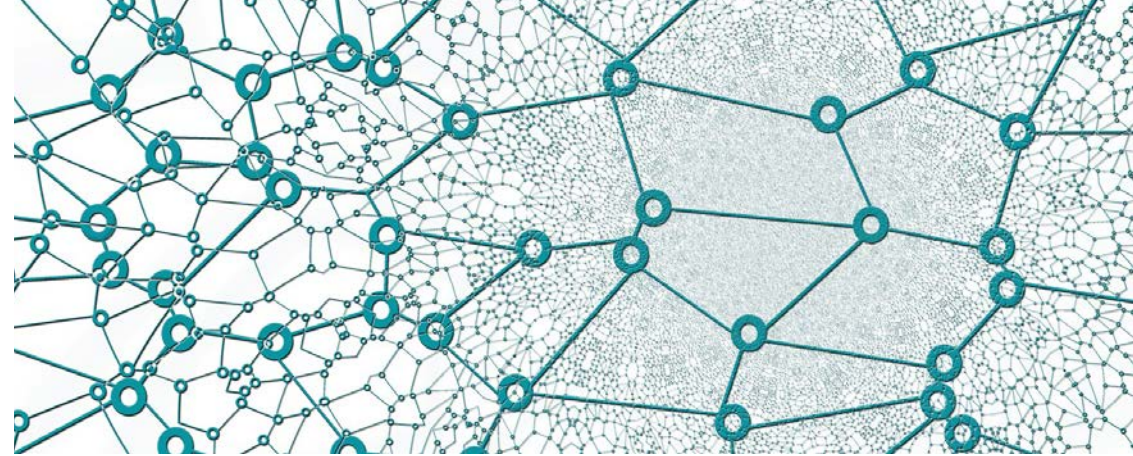


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## In memoriam

Klaus Bergdolt, Germany  
Josef Bugl, Germany  
Friedrich Cerha, Austria  
Georg Daltrop, Germany  
Robert von Dassanowsky, USA  
Manfred Deutsch, Austria  
Harald zur Hausen, Germany  
Daisaku Ikeda, Japan  
Otto Kolleritsch, Austria  
Andrej Kranjc, Slovenia  
Martina Lubyová, Slovakia  
Edgar Morscher, Austria  
Theodor Nikolaou, Germany  
Marius Sabin Peculea, Romania  
Angelika C. Wagner, Germany  
Hans Waldenfels, Germany  
Peter Weibel, Germany

**R.I.P.**



## VISION & MISSION

The European Academy of Sciences and Arts shall:

- + Identify and analyse European challenges
- + Provide advice to European institutions wherever the Academy has expertise
- + Develop a culture of collaboration and building bridges
- + Promote transnational / interdisciplinary research and produce significant outputs
- + Strengthen the role of scientific communities and European scholarship
- + Foster cooperation between research and industry
- + Solve complex issues identified as priority for the wellbeing of all Europeans

The objectives shall be achieved through:

- + Conferences, symposia, panel discussions
- + Publications
- + Cooperations with universities, scientific institutions and any other organization sharing similar objectives

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## I. PREFACE



Klaus Mainzer, President  
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It is my pleasure to present to you the annual report 2023.

The year 2023 began with a bang in the world of science and media: With chatbots such as ChatGPT, AI was no longer just a topic for research and specialists, but had arrived in people's everyday lives on all communication devices. After the technology firm OpenAI released the chatbot ChatGPT in the end of 2022, companies have been in an arms race to develop 'generative' artificial-intelligence (AI) systems that are ever more powerful. Each version adds capabilities that increasingly encroach on human skills. By producing text, images, videos and even computer programs in response to human prompts, generative AI systems can make information more accessible and speed up technology development. Many

people were horrified: AI systems could flood the Internet with misinformation and 'deepfakes' — videos of synthetic faces and voices that can be indistinguishable from those of real people. In the long run, such harms could erode trust between people, politicians, the media and institutions.

The European Academy had already published a white paper on AI in 2022, drawing attention to the potential and risks of this IT technology. This paper was supplemented in 2023 by a proposal for practical regulations, which was finally published in the renowned scientific journal „Nature“. The President of the Academy was invited to the Austrian Parliament, where there was alarm about the possibilities of generative AI for documentation, but also its dangers for manipulation. At the European University Institute (EUI) in Florence, a graduate university of the EU, he reported on „AI and Democracy“. Numerous interviews and events followed, not least at a workshop on the eve of the 2023 Festive Assembly and General Assembly in Salzburg. These Academy activities took place at a time when the EU Parliament was adopting regulations on dealing with the new AI technology for the first time worldwide.

After the awarding of EASA-members with Nobel prizes in recent years, another member of the Academy was honoured with a Nobel Prize 2023 in Physics: Ferenc Krausz from the Ludwig Maximilian University of Munich and the Max

Planck Institute of Quantum Optics was honoured for experimental methods for generating attosecond light pulses - extremely fast laser flashes that can be used to study the dynamics of electrons in matter, but which will also contribute to the enormous acceleration of calculations with computers. Ferenc Krausz was born in Hungary, worked for a long time in Austria and now conducts research in Munich. He therefore represents the core countries of old Europe.

Old Europe is also the focus of the Academy's annual Danube Conferences, at which all academies in the wider Danube region discuss a common topic under the umbrella of the European Academy. This time, the Slovenian Academy of Sciences and Arts organised this conference on the topic of „Water“.

The Alma Mater Europaea was established at the time as a common umbrella for all of the Academy's education and training activities. Some countries were also very active under this common umbrella in 2023. In Maribor, a private university was founded a few years ago by Academy member and former rector of the University of Maribor, Prof. Toplak, under the title Alma Mater Europaea, which was awarded the title of a full university by the state in 2023. In Bratislava (Slovakia), Academy member Prof. Kassay founded the „International Centre of Education“ in 2023 with the support of the Academy's long-standing Vice President Prof. Luby, which will offer joint events, courses and training programmes with members of the Academy. Dr. Kubinger, Honorary Senator of the Academy, has also built a new conference centre at the headquarters of his company in Upper Austria, where international events on the subject of water purification using modern high-tech technologies will be held in future. In Munich, the Academy has started a teaching and learning programme on quantum computing under the umbrella of the Alma Mater Europaea together with the Steinbeis Foundation, IBM and the Technical University of Munich.

Following the successful white papers of our expert groups, another initiative was launched in 2023 to expand education in the technical-scientific disciplines, which is abbreviated internationally as STEM (Science-Technology-Engineering-Mathematics), with education in culture and arts (AC). This STEMAC initiative is inspired by the Greek Antique and Pythagorean tradition and is coordinated by our Greek Dean of Class IV (natural sciences). Under the umbrella of Alma Mater Europaea, this initiative follows the tradition of the successful online lecture series „Science meets Arts“, which is currently continued under the title „Science meets Medicine“ by the Dean of Class III for Arts (Violeta Dinescu) and the Dean of Class II for Medicine (Dusan Suput).

However, these exciting and wonderful initiatives, science, technology, art and culture took place in 2023 in an increasingly warlike and hostile world. Compared to 2022, political tensions and conflicts had intensified with the war in the Middle East. Domestic political tensions were also growing in European

countries. In 1990, the European Academy was founded to help overcome the tensions and conflicts of the Cold War after the fall of the walls and the Iron Curtain between East and West. Inspired by this founding spirit of the Academy, the Tolerance Award of the Year 2023 was presented to one of the Academy's founding presidents, the current Honorary President of the Academy Felix Unger.

This event with its remarkable speeches was documented via streaming and is also available online, as are many of the Academy's events. Therefore, dear members of the Academy, please study our website carefully with its many announcements of events. At the end I have to thank for the support of the Salzburg Presidential Office with Doris Klinda and Ingrid Vierthaler (with the helpful support of Christine Greco in the background), our honorary president, the members of the Presidium and Senate, the commitment of our members and last but not least our funders.

Klaus Mainzer  
*President*

## II. GENERAL INFORMATION



### Who we are

The European Academy of Sciences and Arts is a non-governmental, European association committed to promoting scientific and societal progress. Founded in 1990 as a learned society, our 2,000 members are leading scientists, artists, and practitioners of governance, who are dedicated to innovative research, interdisciplinary and transnational collaboration as well as the exchange and dissemination of knowledge. Academy members are elected for their outstanding achievements in science, arts, and governance.



### How to become a member

#### Membership criteria

The primary criterion for membership is sustained academic excellence in a specific field. This does not necessarily apply to class III (Arts), class VII (World Religions). A candidate must in any case be able to think interdisciplinary and contribute to the mission and vision of the Academy. EASA wants to elect scientists, scholars and experts of international distinction, irrespective of nationality, gender, location or discipline.

#### Nomination and election process

A proposal for a new member can only be submitted by an existing member of the Academy, i.e. you cannot nominate yourself. If you want to nominate a candidate, please complete the official nomination form, sign it, and send it (with CV and publication list) via e-mail to [office@euro-acad.eu](mailto:office@euro-acad.eu). Please note that nomination proposals must be submitted in electronic form and can be submitted at any time.

However, if your nominee should be considered for the next Festive Session, your nomination has to be submitted by October 1st the latest (no exceptions!). If the dossier is complete, it will be sent to the Dean (chairman) of the respective class and the respective member of the Nomination Committee, who both evaluate the qualifications of the nominee. After the evaluation process has been completed, the candidate and the evaluations will be presented to the members of the Senate, who decide about the membership. If a candidate is finally approved of and elected by the Senate, he/she will receive a “letter of election” by the President.

For further details of the nomination procedure, please, contact the presidential office ([ingrid.vierthaler@euro-acad.eu](mailto:ingrid.vierthaler@euro-acad.eu))

[Nomination and Election Process](#)

## Senate of the Academy

### Presidency

President	Klaus Mainzer
Vice-President	Birgit Harreß
Vice-President	Wolfgang Plastino
Vice-President	Ursula Schmidt-Erfurth
Treasurer	Karl Salm Reifferscheidt
Secretary	Kristin De Troyer
Honorary President	Felix Unger

### Deans

Humanities	Andreas Önnersfors
Medicine	Dušan Šuput
Arts	Violeta Dinescu
Natural Sciences	Ioannis Liritzis
Social Sciences, Law and Economics	Kurt Schmoller
Technical and Environmental Sciences	Sergio Orlandi
World Religions	Mariano Delgado

### Delegates

Austria	Meinhard Kneussl
Australia	Thomas Reuter
Belgium	Gunnar Riebs
Canada	Rajeshwar D. Tyagi
China	Chi Zhang
Croatia	Mario Plenković †
Cyprus	Kostas Gouliamos
Czech Republic	Marek Hrubec
Denmark	Zhe Chen

Finland	Juhani Laurinkari
France	René Moletta
Germany	Vahé Barsegian
Georgia	George Kvesitadze
Greece	Emmanuel G. Fragoulis
Hungary	Attila Pók
Iran	Ali Kaveh
Italy	Fabrizio Vestroni
Lebanon	Youssef Fares
Moldova	Gheorghe Duca
North Macedonia	Radmil Polenaković
Poland	Lucjan Pawlowski
Romania	Marius-Ioan Piso
Russia	Mikhail Ugryumov
Serbia	Slobodan Grubačić
Slovakia	Štefan Luby
Slovenia	Ludvik Toplak
Spain	Carlos Gómez Lámbarri
Sweden	Yihai Cao
Switzerland	Bert Müller
Taiwan	Reuben Jih-Ru-Hwu
Turkey	Veton Hoxha
United Kingdom	Xin Shi
USA (West)	Bruce Janigian
USA (East)	Andrew Balas

## Honorary Members

### Protectors

H.M. King Philippe of Belgium	Borut Pahor (Slovenia)
Milo Đukanović (Montenegro)	Alexander Van der Bellen (Austria)

## Former Protectors

Andris Bērziņš	Doris Leuthard
Jerzy Buzek	Tomislav Nikolić
Flavio Cotti	Karolos Papoulias
H.M. Juan Carlos de Borbón	Romano Prodi
Joseph Deiss	Jacques Santer
Heinz Fischer	Rudolf Schuster
Ivan Gašparović	Danilo Türk
Gjorge Ivanov	Vaira Vīķe-Freiberga
Ivo Josipović	Franz Vranitzky
Milan Kučan	Valdis Zatlers
Norbert Lammert	

## Honorary Senators

Tibor Asbóth	Stefan Luby
Dora Bakoyannis	Andreas Penk
Sali Berisha	Peter Ramsauer
France Bernik	Petra Roth
Karl Bornschein †	Jürgen Rüttgers
Erhard Busek †	Sigram Schindler
Franz Fischler	Rudolf Scholten
Alfred Gusenbauer	Leo A. Seufert
Erich Hödl	Michael Spindelegger
Erwin Huber	Dorothee Stapelfeldt
Daisaku Ikeda †	Klaus Stierstadt
Jean-Claude Juncker	Erwin Teufel
Viktor Klima	Guy Verhofstadt
Ulrich Kubinger	Christian Wulff

## Nobel Prize Laureates

Physics, 2023	Ferenc Krausz
Physics, 2022	Anton Zeilinger
Physics, 2021	Klaus Hasselmann
Chemistry, 2020	Emanuelle Charpentier

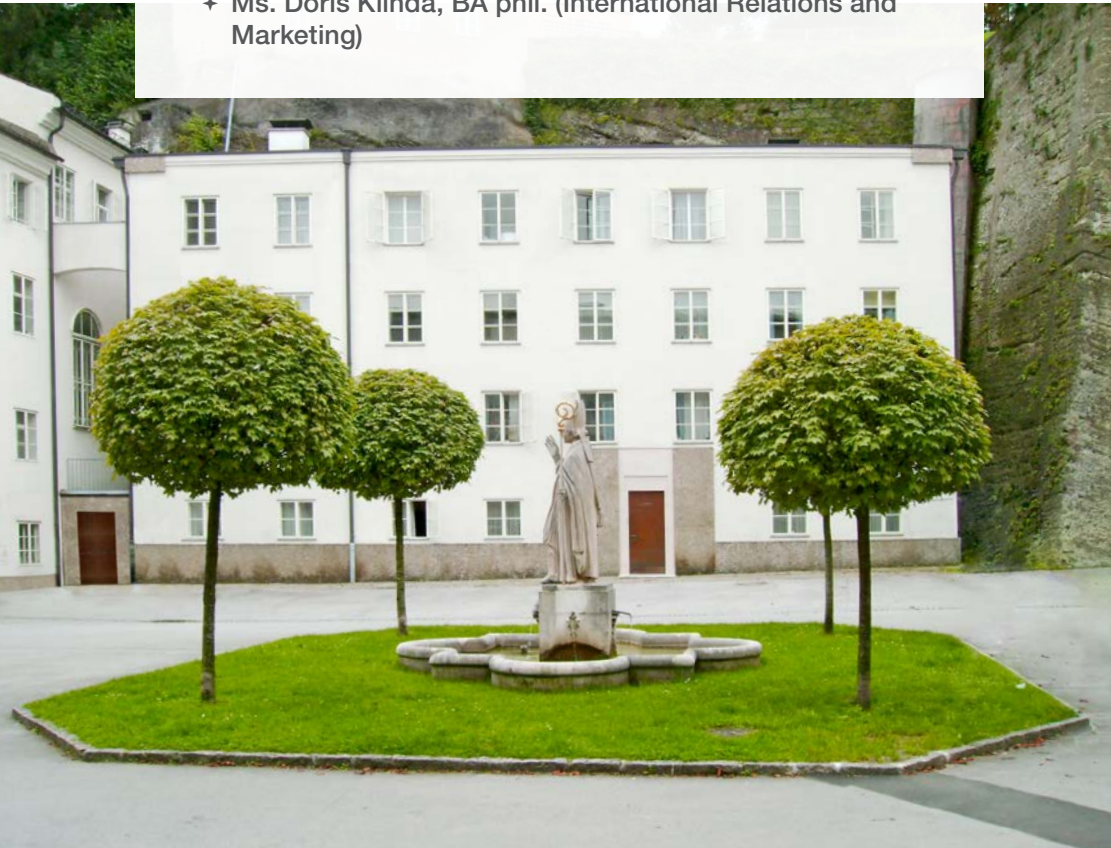
Chemistry, 2016	Fraser Stoddart
Physiology or Medicine, 2014	May-Britt Moser
Physics, 2013	Peter Higgs
Physics, 2013	François Englert
Physiology or Medicine, 2013	Thomas Südhof
Physiology or Medicine, 2011	Jules A. Hoffmann
Physics, 2011	Brian P. Schmidt
Chemistry, 2011	Dan Shechtman
Physics, 2010	Andre Geim
Physics, 2010	Konstantin Novoselov
Medicine, 2008	Luc Montagnier
Medicine, 2008	Harald zur Hausen
Chemistry, 2007	Gerhard Ertl
Physics, 2007	Peter Grünberg
Economics, 2006	Edmund S. Phelps
Physics, 2005	Theodor W. Hänsch
Chemistry, 2004	Aaron Ciechanover
Chemistry, 2002	Kurt Wüthrich
Economics, 2002	Joseph E. Stiglitz
Chemistry, 2001	Ryoji Noyori
Medicine, 2001	Sir Paul Nurse
Physiology or Medicine, 2001	Tim Hunt
Physics, 2001	Wolfgang Ketterle
Physics, 2000	Zhores I. Alferov
Physiology or Medicine, 2000	Eric Kandel
Chemistry, 1995	Paul J. Crutzen
Physics, 1991	Erwin Neher
Peace, 1990	Mikhail Gorbatschow
Chemistry, 1988	Robert Huber
Physics, 1986	Gerd Binnig
Peace, 1985	Bernhard Lown
Medicine, 1981	Torsten N. Wiesel
Medicine, 1978	Werner Arber



## Office Salzburg

The Academy is situated in St. Peter in the heart of Salzburg and is managed by

- + Ms. Ingrid Vierthaler (Membership Management)
- + Ms. Doris Klinda, BA phil. (International Relations and Marketing)



Office in Salzburg, St. Peter Bezirk 10, © European Academy of Sciences and Arts

## Foundations

### Austrian Foundation

The European Academy of Sciences and Arts holds a foundation in Austria entitled Academia Scientiarum et Artium Europaea Privatstiftung. It was established on 24th of November 2004 in Vienna. The foundation aims at raising additional funds for the European Academy of Sciences and Arts.

### Executive Board

Felix Unger, Roland Kickingner, Karl Salm-Reifferscheidt

### Supervisory Board

Bob Djavan, Michael Conrad, Herbert Groeger, Christoph Thun-Hohenstein, Martin Stieger, Christian Strasser

### „Academia Scientiarum et Artium Europaea“ Privatstiftung

St. Peter Bezirk 10  
5020 Salzburg  
Austria

### III. EVENTS 2023



Klaus Mainzer, © wildbild

January

#### CONFERENCE on Cardiovascular Medicine

January 11–13, Four Points Sheraton (Hotel MONS), Live and Webinar; Ljubljana Organising Committee: Matjaž Bunc, Boris Krajačič, Nusret Čobo, Miha Šušteršič, Miha Mrak; Expert Committee: Matjaž Bunc, Mišo Šabovič, Zlatko Fras, Iztok Gradecki, Dragan Kovačič, Opening Klaus Mainzer. [Program](#)

#### COLLOQUIUM – Art Meets Science & Science Meets Art / Winter Semester 2022–2023

January 13, Class III meets Class IV, Organisation Committee and chair: Violeta Dinescu, Dean Class III and Ioannis Liritzis, Dean Class IV: Art: Sever Tipei: Manifold Compositions: Determinism and Randomness; Science: Moreno Andreatta: Tiling Rhythmic Canons: when Music meets Maths. [Program/Abstracts/Video-Links](#)

#### UNESCO World Logic Day 2023

January 14, Philosophy of Logic and Computation, FernUniversität in Hagen (Germany), Lecture Klaus Mainzer (TU München & EASA President), Proof and Computation in Logic, Mathematics, and Artificial Intelligence. [Program](#)

#### COLLOQUIUM Art Meets Science & Science Meets Art / Winter Semester 2022–2023

January 27, Class III meets Class IV, Organisation Committee and chair: Violeta Dinescu, Dean Class III and Ioannis Liritzis, Dean Class IV: Art: Charlotte Seither: Essay on Shadow and Truth. An artistic approach to music for orchestra. Science: Costas Demetzos: Complex nanosystems and health sciences. [Video](#)

February

#### CONFERENCE – Dynamics and Reason

February 9–10, Paderborn University/online; Lecture Klaus Mainzer: From Du Châtelet to Kant: On absolute and Relative Space, Moderation: Riccardo Pozzo (Sapienza Università di Roma & EASA Member, Class I). [Program](#)

March

#### ALMA MATER EUROPEA CONFERENCE – 11th International Conference – It's About People, Social and Technological Development in Service of Security and Dignity

AMEU Maribor, March 10–17, Online

[AMEU Flyer](#)

Contact: [conference@almamater.si](mailto:conference@almamater.si)

Web: [Conference AMEU](#)

[EASA Info](#)

March 10 – Plenary Session: Educational and Research Strategies for Europe (Especially for Medicine and Health System), Moderator: Klaus Mainzer, President of EASA; Igor Emri, University Professor of Physics, Board Member, Slovenian Academy of Sciences and Arts; Michael Molls, University Professor of Medicine, Director of the Institute of Advanced Studies, Technical University of Munich; Markus Schwaiger, University Professor of Medicine, President of the Bavarian Academy of Sciences; Felix Unger, University

Professor of Medicine emerit., Honorary President of the European Academy of Sciences and Arts Awarding of the Honorary Doctorate to Honorary President Felix Unger. [AMEU report](#)

#### **COLLOQUIUM Klaus Mainzer / Symmetry in Physics**

March 15, University of Warwick / Department of Physics. [Program](#)

#### **CONFERENCE „Grenzen der künstlichen Intelligenz“**

March 29–31, Speech Klaus Mainzer: „Grenzen der KI – theoretisch, praktisch, ethisch“, [Hochschule für Philosophie der Jesuiten in München](#). [Program](#)

#### **April HONORARY EVENT – Hellenic Physical Society**

April 5, Place: War Museum, Rizari 2–4 Str., Amphitheater Rigas Faeraeos, Athens

“On Natural Sciences in Archaeology & Cultural Heritage and other interdisciplinary fields” of Ioannis Liritzis, Dean of Class IV. [Program](#); [Laudations](#)

#### **WORKSHOP – Presentation of EASA White Papers**

April 14, HS 101, Katholisch-Theologische Fakultät, University of Salzburg, Universitätsplatz 1, Ground Floor, 5020 Salzburg, Deans of Class I–VII. [Workshop](#)

#### **EVENING RECEPTION**

April 14, Carabinierisaal, Residence Salzburg, on occasion of the Festive Session 2023 and in honour of the new members. [Invitation](#)

#### **GENERAL ASSEMBLY**

April 15, Great Assembly Hall, University of Salzburg [Invitation to GA](#)

#### **FESTIVE PLENARY, Inauguration of New Members**

April 15, Great Assembly Hall, University of Salzburg [Information Festive Session 2023](#)

#### **COLLOQUIUM – Art Meets Medicine – Summer Semester 2023**

April 21 – July 14, Class III meets Class II, Organising Committee and chair: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Art: Oliver Korte: Why coding? On the purpose, aesthetics, and techniques of cryptography in music, Medicine: Zvezdan Pirtošek: The brain in gallery and at concert. [Program/Abstracts/Video-Links](#)

#### **STUDY DAY on Elie Wiesel's literary work**

April 23, Institut Universitaire Elie Wiesel Luxembourg School of Religion & Society

En collaboration avec Elie Wiesel Research Center (Université de Tübingen, Université de Potsdam, Luxembourg School of Religion & Society), Organisation: Mariano Delgado, Dean Class VII. [Program](#)

#### **SEMINAR – Quantenphysik in der Anwendung – 45. Edgar-Lüscher-Seminar**

April 21–23, Gymnasium Zwiesel, under the patronage of Thomas Hofmann, Präsident der TU München; Lecture: Klaus Mainzer „Einführung in die Quantenphysik und das Rechnen mit Qubits“. [Program](#)

#### **SYMPOSIUM – Quantencomputer-Symposium**

April 26, IBM Innovation Studio Munich, EASA, Steinbeis SIBE, IBM, Max-Planck-Institut and TUM; Organisation Committee: Werner Faix, Member EASA, Class V; Klaus Mainzer, President EASA; Felix Unger, Honorary President EASA. [Program](#)

#### **May COLLOQUIUM – Art Meets Medicine – Summer Semester 2023**

May 5, Class III meets Class II, Organisation Committee and chair: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Art: Klaus Mainzer: Artificial Intelligence – Challenge for Human Creativity. [Video](#)

### **16th Baška GNSS Conference and the 3rd Workshop on Smart Blue and Green Maritime Technologies**

May 14-19, Baška, Krk Island, Croatia, Conference Co-Chair: Serdjo Kos, University of Rijeka, Faculty of Maritime Studies, Rijeka, Croatia, Class VI. [Program](#)

### **LECTURE SERIES on „Complexity“, RWTH Aachen, Human Technology Center, DFG Käte Hamburger College**

May 17, online conference / Cultures of Research „Complexity“ / Summer Term 2023, Lecture Klaus Mainzer: Complexity – From Natural and Social Sciences to Artificial Intelligence. [Information](#)

References: K. Mainzer, Thinking in Complexity, Springer: Berlin 5th edition 2007; K. Mainzer / L. Chua, Local Activity Principle. The Cause of Complexity, World Scientific Singapore 2013; K. Mainzer, Artificial Intelligence. When do Machines take over? Springer: Berlin 2nd edition 2019; K. Mainzer / R. Kahle, Grenzen der Künstlichen Intelligenz – theoretisch, praktisch, ethisch, Springer. Berlin 2022.

### **COLLOQUIUM – Art Meets Medicine – Summer Semester 2023**

May 19, Class III meets Class II, Organisation Committee and chair: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Art: Ivar Frounberg: Stages in creative processes – some painting practises and music composition; Medicine: Manja Hribar: What happens to our brain in the absence of sound? [Video](#)

### **POLICY DIALOGUE – Artificial Intelligence and Democracy: Challenges and Avenues of Amalgamation**

May 22–23, Sala del Capitolo/Badia Fiesolana/Firenze, Speech President Klaus Mainzer. [Program](#)

### **SYMPOSIUM – Neurocard 2023**

May 26–27, The 12th International Symposium on Neurocardiology and The 11th International Symposium on Noninvasive Electrocardiology, Hotel Crown Plaza, Belgrade, Serbia, Organisation Committee: Branislav Milanovic, Class II, Congress President; Milovan Bojic, Class II, Director of the Institute. [Program](#)

June

### **INTERDISCIPLINARY SYMPOSIUM**

June 1-3, Kirchenlehrer- und KirchenlehrerInnen-Entstehung, Wandel, Bedeutung

Universität Freiburg/Theologische Fakultät, Organisation: Mariano Delgado (Dean Class VII), Volker Leppin (Member EASA, Class VII). [Program](#)

### **COLLOQUIUM – Art Meets Medicine – Summer Semester 2023**

June 2, Class III meets Class II, Organisation Committee and chair: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Art: Wolfgang Mastnak: Depth psychology, parallel worlds & Lytaniae for Celli. Medicine: Athanasia Printza: Voice - the science and art of self and social self. [Video](#)

### **WORKSHOP ON STEM in Arts & Culture (STEMAC)**

June 8, University of Piraeus/main conference amphitheater in collaboration with the Laboratory of Networks and Telecommunications Systems, Services and Security of the Department of Informatics of the University of Piraeus (NetLab); Coordinator of the Expert Group STEMAC at the EASA: Ioannis Liritzis (Dean of Class IV, Natural Sciences). [Program](#)

### **BOOK PRESENTATION – Zukunft durch nachhaltige Innovation – Im Wettkampf der Systeme**

June 15, KORTIZES Institut für populärwissenschaftlichen Diskurs, Nürnberg; Buchpräsentation von Präsident Klaus Mainzer / Zukunft durch nachhaltige Innovation – Im Wettkampf der Systeme, Sibe Edition, Springer Nature, 2023; Moderation: Helmut Fink. [Program](#)

### **COLLOQUIUM – Art Meets Medicine – Summer Semester 2023**

June 16, Class III meets Class II, Organisation Committee and chair: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II; Art: Christopher Fox: Innovation and sustainability in new music; Medicine: Mihaela Vosgian: Triple module of practice and vibrational therapy through the art. [Video](#)

### **SEMINAR – 26. Bad Honnefer Winterseminar (DPG)**

June 22–25, Physikzentrum Bad Honnef, Lecture Klaus Mainzer: „Symmetrie und Symmetriebrechung im Kosmos – War der Urknall symmetrisch?“ [Program](#)

### **CONFERENCE – International Scientific Conference „Science and Art for Peace“**

June 28, Academy of Sciences of Moldova in the Blue Hall, Chisinau and online, Opening of the Hybrid-Conference: Ion Tiginyanu, President of the Academy of Sciences of Moldova, Class IV, EASA; Ioan Aurel Pop, President of the Romanian Academy, Class I, EASA; Welcome messages: Klaus Mainzer, President EASA; Communications: Mihai Cimpoi „The Peace in the Romanian Literature“, Class I, EASA; Gheorghe Mustea „Music and Peace“, Class III EASA; Constantin Rusnac „UNESCO: Promoting the culture of peace“, Class III, EASA. [Program](#)

### **BOOK PRESENTATION – Karl-Josef Kuschel**

June 29, Lecture Karl-Josef Kuschel „Magische Orte, ein Leben mit der Natur“, Patmos Verlag, book presentation, Faculty of Catholic Theology, Lecture Hall 101, Universitätsplatz 1, Salzburg. [Program](#)

### **COLLOQUIUM – Art Meets Medicine – Summer Semester 2023**

June 30, Class III meets Class II, Organisation Committee and chair: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Art and Medicine: Hannah Monyer: Underlying mechanisms for memory formation and retrieval: neuroscientific explanations and literary examples from Marcel Proust’s “Recherche”. [Video](#)

July

### **COLLOQUIUM – Art Meets Medicine – Summer Semester 2023**

July 14, Class III meets Class II, Organisation Committee and chair: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Art: Maria Luisa Dalla Chiara: From quantum information to musical semantics. Medicine: Costas Demetzos: Nanomedicines and Nanovaccines: from bench to Clinic. [Program](#)

### **INTERNATIONAL CONGRESS – 17th edition of the International Congress on Logic Methodology and Philosophy of Science and Technology (CLMPST), Buenos Aires (Argentina)**

July 24–29, School of Economics of the University of Buenos Aires, Lecture President Klaus Mainzer: „Proof and Computation in Logic, Mathematics, and Artificial Intelligence“. [Program](#)

August

### **INTERNATIONAL CONFERENCE – The 17th International Conference on Management Science and Engineering Management**

August 3–4, University of Cape Town/online conference, President Klaus Mainzer: introductory keynote on „Future through Sustainable Innovation. Challenges of Management Science and Science Management“

International Program Committee Chairs: Klaus Mainzer, President EASA, Germany; Benjamin Lev, Drexel University, Philadelphia, USA; Asaf Hajiyev, Institute of Systems Control, Azerbaijan National Academy of Sciences, Baku, Azerbaijan; V. Cruz Machado, Universidade Nova de Lisboa, Lisbon, Portugal, Mitsuo Gen, Tokyo University of Science, Japan; Syed Ejaz Ahmed, Brock University, Canada; Gheorghe Duca, Moldavian Academy of Sciences, Moldova; Fausto Pedro García Márquez, University of Castilla-La Mancha, Spain; Abimbola Windapo, University of Cape Town, South Africa; Fulya Altiparmak, Gazi University, Turkey. [Program](#)

September

**CONFERENCE – INTERCEDU Conference about Artificial Intelligence (AI)**

September 7–9, Organised by the President of the International Center of Education, Limbach: Štefan Kassay, Member of EASA, Class VI; Interview with President Klaus Mainzer about Artificial Intelligence (AI). Moderator: Štefan Luby, Honorary Senator & EASA member, Class IV; Awarding of the Štefan Kassay Gold Medal to Klaus Mainzer. [Program](#)

**INTERNATIONAL AUTUMN SCHOOL „Proof and Computation“**

September 10–16, Foundations of Mathematics, Computer Science, and Philosophy, Haus der bayerischen Landwirtschaft in Herrsching am Ammersee, Every year the International School of „Proof and Computation“ takes place in Bavaria with renowned lecturers of mathematics, computer science and philosophy, organization of this event and introductory lecture: Klaus Mainzer, EASA President. [Program](#)

**INTERNATIONAL CONFERENCE – Advanced Ceramics and Applications XI**

September 18–20, 2023, Belgrade, Serbia, Serbian Ceramic Society, Chairs: Dr. Lidija Mančić, Dr. Nina Obradović, (former president of the SCS and former EASA Delegate for Serbia, Vojislav Mitic †). [Program](#)

October

**LAUDATO SI – INTERDISCIPLINARY CONFERENCE**

October 5–7, Basilika of Valère and Convention Center Sion/Sitten-Switzerland, this conference was co-organised by the Dean of Class VII, Mariano Delgado. [Program](#)

**SEMINAR – The 13th Cottbuser Tumor-Seminar „Life with Cancer“**

October 11, Carl-Thiem-Klinikum Cottbus, Organisation: Prof. Dr. Björn Brücher, Lead Viszeralonkologisches Zentrum (VZ), EASA-Member Class II. [Program](#)

**CONFERENCE – Gödel and Kant on Mathematics and Physics**

October 11–13, Carl Friedrich von Weizsäcker-Zentrum / Tübingen, Lecture President Klaus Mainzer: Gödel and Kant on Mathematics: then and now. [Program](#)

**COLLOQUIUM – Arts Meet Sciences, Winter-Semester 2023–2024**

Continuation of the online Colloquium Series:

October 13, 2023 till January 26, 2024, Organization Committee: Violeta Dinescu, Dean Class III & Dušan Šuput, Dean Class II, Start of each colloquium: 6 p.m. - 7.30 p.m.; Arts: Marjan Slak Rupnik: Rhythms and economy of metabolism. Sciences: Ernst Pöppel: Biological Aspects of Knowing: Challenges for Artificial Intelligence. [Program/Abstracts, Videos](#)

**WORKSHOP: Philosophy of Mathematics**

October 14, Cooperation: Technische Universität München, Carl Friedrich von Weizsäcker-Center, Eberhard-Karls-Universität Tübingen Germany, Place: École Normale Supérieure, Paris/ Lecture by President Klaus Mainzer: „From Mathesis Universalis to the Foundations of Mathematics and Artificial Intelligence.“ [Program](#)

**RADIO INTERVIEW with Klaus Mainzer – WDR 5 – Philosophischer Radioabend**

October 14, Place: New Way Media Munich, Radio-Interview with Klaus Mainzer, President EASA about his latest publication, published by Springer Berlin/SIBE Edition in 2023: “Zukunft durch nachhaltige Innovation Im Wettkampf der Systeme”. [Interview](#)

**INNOVATION DAYS – 12. International BioTech Innovation Days (IBID 2023)**

October 17–19, BTU-Cottbus Senftenberg-Faculty 2, Building 11, Session 1 / Cancer Biology “Molecular Carcinogenesis.” Björn Brücher, Member EASA, Class II. [Program](#)

### CONFERENCE – 12th Danube Academies Conference (DAC)

October 18–20, patronage: President of the Slovenian Academy of Sciences and Arts (SASA): Peter Štih and President Klaus Mainzer, EASA

Chairman of the Organising Committee, Head of the Department for International Relations and Scientific Coordination, Slovenian Academy of Sciences and Arts: Branko Stanovnik ([international@sazu.si](mailto:international@sazu.si)). [Program information](#)

### CELJE INTERNATIONAL SCIENTIFIC CONFERENCE

October 26–28, Home St. Joseph, Spiritual Educational Center, Celje, Slovenia, Prof. Bojan Žalec, PhD, Head of the Institute of Philosophy and Social Ethics, University of Ljubljana, Faculty of Theology, Member of EASA, Class I, Lecture Klaus Mainzer “A New Renaissance for Europe: Challenges of Science and Philosophy in the Spirit of European Humanism”. [Program](#)

### PANEL DISCUSSION with president Klaus Mainzer

October 27, Urania Berlin, In a discussion between the President of the European Academy of Sciences and Arts, Klaus Mainzer (member of the Research Centre for Education and Information at Peking University, among others) and Dr Manfred Osten (former Secretary General of the Alexander von Humboldt Foundation with many years of experience in the Far East, among other things), fundamental questions were discussed as to whether and under what conditions China could achieve this scientific and technological supremacy. [More information](#)

### COLLOQUIUM – Art Meets Sciences, Winter Semester 2023–2024

October 27, Class III meets Class II, Organisation Committee: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II; Arts: Peter Herrmann: Helping Nature to its Rightful Place; Sciences: Qi Mao and Wolfgang Mastnak: Reflexions: Chinese Music Therapy in Psycho-Oncology. [Video](#)

November

### MEDICAL FORUM – European Medical Forum South Tyrol

October 28, 2023, Continuation of the series “Heart & Brain / Cuore e cervello“, Peter Winkler, Class II

Music and Medicine / Medicina e musica, combined with Jazz & Wine – concert with Peter Winkler Jazz-Combo. [Program](#)

### PANEL DISCUSSION „Speech recognition 2030 – between utopia and dystopia“

November 10–11, Event organised by the Austrian Parliament, public plenary discussion in German language, Challenges of AI chatbots for parliamentary work with speakers EASA President Klaus Mainzer, Judith Platter (University of Vienna), Sabine Köszegi (Technical University of Vienna); Friedrich Neubarth (OFAI). Location: Austrian Parliament, Dr.-Karl-Renner-Ring 3, 1010 Vienna. [Program](#)

### COLLOQUIUM – Art Meets Sciences, Winter Semester 2023–2024

November 10, Class III meets Class II, Organisation Committee: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Arts: Marisa Dalla Chiara: From quantum information to musical semantics. Sciences: Dušan Šuput: Circulation and representations in arts (paintings, music)

### AWARDING of the Tolerance Price to Honorary President Felix Unger

November 17, Salzburger Nachrichten, Festsaal: Chairwoman and Organising Committee “ad-hoc-group“: Birgit Harreß, Vice President EASA; Wilfrid Bergmann; Stefan Zimmermann; Karl Salm, Treasurer EASA. [Program](#)

December

### **COLLOQUIUM – Art Meets Sciences, Winter Semester 2023–2024**

November 24, Class III meets Class II, Organisation Committee: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Arts: Nika Radic: The Artwork and the Improbability of Communication. Sciences: Wolfgang Martin Stroh: “Tuning the World” - Postcolonialism and World Music Tuning Systems. [Video](#)

### **CONFERENCE – 20th European Angiology Days**

December 1–3, Web Live Discussion, International Vascular Medicine Academic Yearly Conference (VAS), Chairperson: Dušan Šuput, Dean EASA, Class II; Introduction: Klaus Mainzer, President EASA. [Program](#)

### **SEMINAR SERIES – Quantumness: from Logic to Engineering and back**

December 6, Philosopher in Residence Fellowship Program, IAS Faculty Club, Lichtenbergerstraße 2a (TUM Munich), Focus Group: Quantum Logic and the Second Quantum Revolution, Organized by Roberto Giuntini (Philosopher in Residence) and his hosts: Hans-Joachim Bungartz, Stefania Centrone, Klaus Mainzer (President EASA). [Program](#)

### **INTERNATIONAL SCIENTIFIC SYMPOSIUM**

Recent Advances in Neuroscience – the Brain Before and After Birth, December 8, Organisation Committee: Croatian Members of EASA, Class II: Asim Kurjak, Aida Salihagić Kadić, Milan Stanojević, Srećko Gajović and Dušan Šuput, Dean EASA, Class II. [Program](#)

### **COURSE – First Comprehensive Berlin Anatomy Course – Continuation**

December 8–10, Peter A. Winkler – Scientific Director and Member of EASA, Class II. [Program](#)

### **COLLOQUIUM – Art Meets Sciences, Winter Semester 2023–2024**

December 8, Class III meets Class II, Organisation Committee: Violeta Dinescu, Dean Class III and Dušan Šuput, Dean Class II, Arts: Klaus Mainzer and Zhouxiang Lu, moderated by Peter Herrmann: Reflexions: Social Competence and Digitisation / Artificial Intelligence. [Video](#)

### **SCIENCE FESTIVAL – Silesian Science Festival Katowice**

December 9–10, University of Silesia in Katowice, Lecture Klaus Mainzer (president EASA), „Artificial Intelligence – When do machines take over“ book by Klaus Mainzer, published by Springer, 2nd edition 2019 and Chinese translation 2022. Prof. Dr. Klaus Mainzer will be the patron of the European City of Science Katowice in 2024. [Program](#)

### **COURSE – 6th Cottbuser Nahtkurs**

December 9, Organisation: B. Brücher Lead Viszeralonkologisches Zentrum (VZ) Cottbus, EASA-Member Class II, the Seminar was held in German language, Location: Carl-Thiem-Klinikum Cottbus. [Program](#)

### **SYMPOSIUM – CAMTP – 20th Christmas Symposium of Physicists**

December 14–16, under the patronage and co-organisation of the European Academy of Sciences and Arts, Hotel Habakuk, Maribor, Slovenia; chair: Marko Robnik, Member of EASA, Director Center for Applied Mathematics and Theoretical Physics University of Maribor. Opening address: Klaus Mainzer, President EASA. [Program](#)





Festive Plenary 2023 | Klaus Mainzer (President EASA), Brigitta Pallauf (President of the State Parliament of Salzburg), Ulrich Kubinger (VTA, Honorary Senator EASA), Felix Unger (Honorary President EASA)  
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## IV. PEASA THE JOURNAL OF THE EASA



Proceedings of the  
EUROPEAN ACADEMY  
of Sciences & Arts  
PEASA

The European Academy of Sciences & Arts announced the launching of its first scientific Journal, the Proceedings of the European Academy of Sciences and Arts (PEASA) in 2022 ([www.peasa.eu](http://www.peasa.eu)). Peasa was developed by Ioannis Liritzis, Editor-in-Chief and Dean of Class IV., the EASA Members Andrew Balas, Beatrix Hiesmayr, Marc Huett, David Kumar, Antonio Marquina, Dusan Šuput and Peter Herrmann.

The mission of PEASA is to promote innovative, interdisciplinary, and transnational research that serves the advancement of Europe and world. Topics for article submission include but are not limited to: Humanities; Social Sciences; Medicine & Health Issues; Natural Sciences; Comparative religions; Law, Economics & Politics; Technical & Environmental Sciences; Interdisciplinary issues; Cultural Studies; Science in Arts.

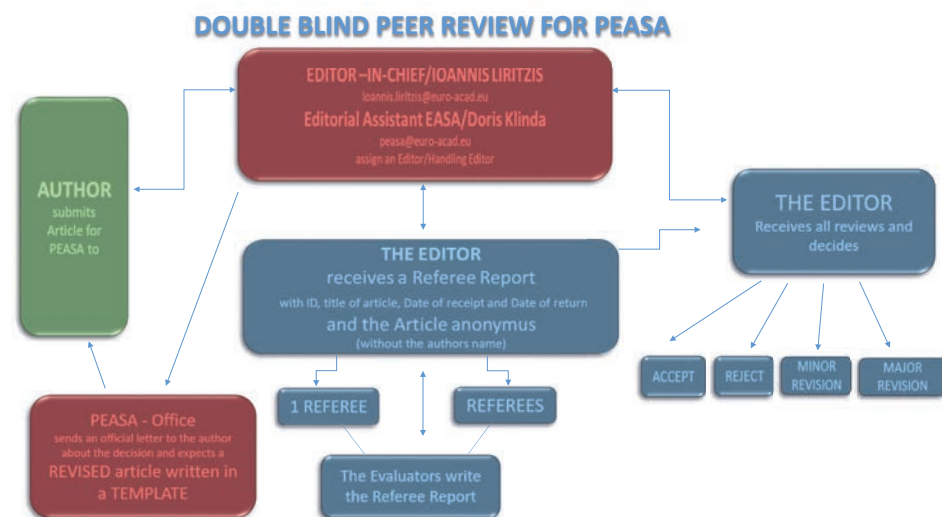
The journal is a biannual peer-reviewed journal started accepting articles in July 2022. In December 2023, we have completed Vol.1, No 1 and Vol.2, No 2 with articles from our members, 20 articles have been published since then either in topics or categories.

The PEASA Journal accepts submissions from EASA members and non-members writing to the Editor-in-Chief: Prof. Ioannis Liritzis ([ioannis.liritzis@euro-acad.eu](mailto:ioannis.liritzis@euro-acad.eu))

EASA has chosen [PAGEPress Publisher](#) for management and administration services with an annual fee paid by EASA. This new administration commenced in autumn 2023 and the new platform operates from January 2024 onwards.

## Peer Review Process

Manuscripts are assigned to a relevant Editorial Board Member. After assessment, they may be assigned to generally two but occasionally to more peer-reviewers. In addition to adherence to common scientific standards, reviewers should assess the interdisciplinarity of the submission, as well as the understandability across disciplinary boundaries. If necessary, reviewers should request that the authors revise their manuscript according to these criteria.



### Peer Review

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## Articles published in 2022 and 2023

PEASA JOURNAL / PROCEEDINGS OF THE EUROPEAN ACADEMY OF SCIENCES AND ARTS, Vol. 1, No. 1/ No. 2., published articles 2022/23:

### Vol. 1, No. 1:

#### Inauguration Speech

*Klaus Mainzer*

Published on: July 13, 2022. [DOI](#)

#### The ancient DNA of the N.E. Mediterranean/Euro-Asian Cultures and the Position of the Mycenaean Greeks among the first Cultures

*Ioannis Lirizis*

Published on: August 29, 2022. [DOI](#)

#### Perspectives to Fight Viruses. The Example of Sars-CoV-2

*Costas Demetzos, Panagiotis Vlamos and Dimitrios Vlachakis*

Published on: October 7, 2022. [DOI](#)

#### The Dangerous Construction of National; Religious and Moral Identities in the Ukrainian War

*Markus Vogt*

Published on: October 13, 2022. [DOI](#)

#### The TUM Senior Excellence Faculty of the Technical University of Munich – A 15-Year Success Story

*Michael Molls, Birgit Herbst-Gaebel, Joerg Eberspaecher, Herrmann Aurenhammer, Georg Faerber, Klaus Mainzer, Winfried Petry, Ralf Reichwald, Kristina Reiss, Peter Wilderer and Thomas F. Hofmann*

Published on: October 17, 2022. [DOI](#)

#### Aristotle's Μετεωρολογικά: Meteorology then and now

*Riccardo Pozzo*

Published on: October 20, 2022. [DOI](#)

#### On a Mathematical Theory of Sustainability Assessment

*Yannis A. Phillis, Vassilis S. Kouikoglou, Evangelos Grigoroudis and Fotis D. Kanellos*

Published on: November 4, 2022. [DOI](#)

#### Costal Erosion: The Future of Sandy Beaches

*Niki Evelpidou, Maria Tzouxanioti and Alexandros Liaskos*

Published on: November 9, 2022. [DOI](#)

#### Review of Gabriele Münnix: Das Bild vom Bild: Bildsemiotik und Bildphänomenologie in interkultureller Perspektive

*Riccardo Pozzo*

Published on: November 11, 2022. [DOI](#)

#### Some fascinating Developments in Mathematics and Music

*Emmanuel Amiot*

Published on: November 30, 2022. [DOI](#)

#### Poetics of Hypertimbralism in Music

*Livia Teodorescu-Ciocanea*

Published on: December 22, 2022. [DOI](#)

#### Symmetry and Symmetry Breaking in Science and Arts

*Klaus Mainzer*

Published on: December 30, 2022. [DOI](#)

#### POLICY PAPERS of the Expert Groups:

#### EASA Expert Group: Environment, Climate, and Energy -Toward Clean Energy production

*Coordinator: Sergio Orlandi*

Published on: December 16, 2022. [DOI](#)

#### EASA Expert Group: Digitalization, AI, and Societal Impact

*Coordinator: Klaus Mainzer*

Published on: December 19, 2022. [DOI](#)

#### EASA Expert Group: Education, Research, Innovation (ERI)

*Coordinator: Ioannis Lirizis*

Published on: December 19, 2022. [DOI](#)

## Vol.1, No.2:

### Study of On-Site Upgraded Livestock Biogas Production and Carbon Emission Reduction By Substituting Coals For Thermal Power Generation

Jung Jeng Su

Published on April 12, 2023. [DOI](#)

### Music Therapy: Scientific Perspectives and Clinical Prospects

Wolfgang Mastnak

Published on: April 13, 2023. [DOI](#)

### The Artistic Complexity of the Antikythera Mechanism: A Comprehensive Tutorial

Kyriakos Efstathiou, Marianna Efstathiou and Alexandros Basiakoulis

Published on: July 6, 2023. [DOI](#)

### Trojan War and Epic Cycle: The Historical and Literary Version Where, How, When and Why The Trojan War Myth was invented

Vasileios L. Konstantinopoulos

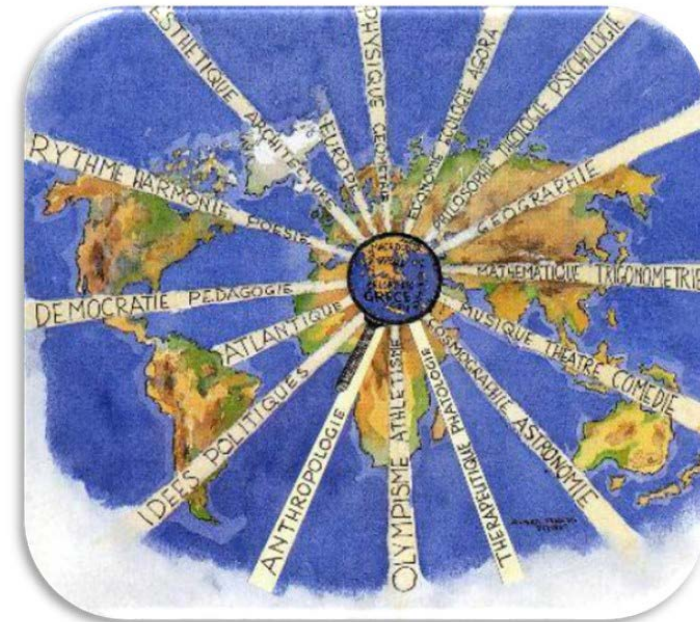
Published on July 11, 2023. [DOI](#)

### Disasters And Climatic Phenomena Today And In The Past

Ioannis Lirtzis

Published on: December 21, 2023. [DOI](#)

## V. THE PYTHIAN PROJECT



- ✦ Europe is the cradle of civilization and Europe explored both opposite directions, East & West. In the year 586 BC, the first Pythian Games (artistic with some small-scale athletics) took place in Delphi Ancient Greece. Delphic Intellectual Movement is a branding initiative under the leadership and Aegis of our Academy
- ✦ Our commitment is to Revive a Code of Ethics and re-establish the European roots of arts, culture and rational thought, resetting self-knowledge, reassessing the values of freedom, human and international rights. The European Academy of Sciences & Arts is committed to promoting scientific and societal progress
- ✦ The aim of the Pythian Games revival is to re-establish moral and social values in modern era, via various cultural-scientific activities, for a) the acquaintance and fostering of ancient Classical Culture, as it is emerging from the Delphic spirit, a cultural and spiritual cradle of Europe and at the same time an ecumenical symbol of knowledge, and, b) the scientific research on issues of dissemination of the ancient classical Logos, Values and Virtues, for the benefit of human beings and the environment, with the

aid of modern technology, as this is shown from within the art, philosophy and philological witnesses.

- ✦ Our entanglement and goal refer to the reclamation of lethargic classical human values by gradually reviving the Pythian Games with a modern balanced prospective.
- ✦ Delphic Spirit – An European Legacy is Unity in Diversity
- ✦ Reviving the European cultural rooting by the European Academy of Sciences & Arts innovative ideas in research, interdisciplinary and transnational collaboration as well as the exchange and dissemination of knowledge in all aspects of human life.

EASA member and Dean of Class IV Prof Ioannis Liritzis took the initiative to revive the Delphic Pythian legacy with EASA as the leader.

A Consortium has been formed for project proposal application in the EU framework of the “Europe’s Cultural Heritage and Arts – Promoting our Values at Home and Abroad” Administration and technical support is done by the international company [PWC Hellas](#).



It consists of Seven (7) EU countries as partners with representatives mainly members of the EASA (Greece, Cyprus, Romania, Italy, Slovenia, Austria, Germany)

The EASA project concerns the already approved by the Senate of the European Delphic Intellectual Initiative, which encompasses the reanimation of ancient Pythian Games with many manifestations and links to present era. The Project Coordinator will be the European Academy of Sciences and Arts (EASA) ([www.euro-acad.eu](http://www.euro-acad.eu)), along with a competitive and highly specialized consortium of partners. The planned indicative activities include artistic games, scientific workshops, training actions, dissemination and capitalization of the project, thematic events in Partner’s premises and cities, a major event in the ancient theater of Delphi and many more.

This project is submitted to Brussels February 2024.

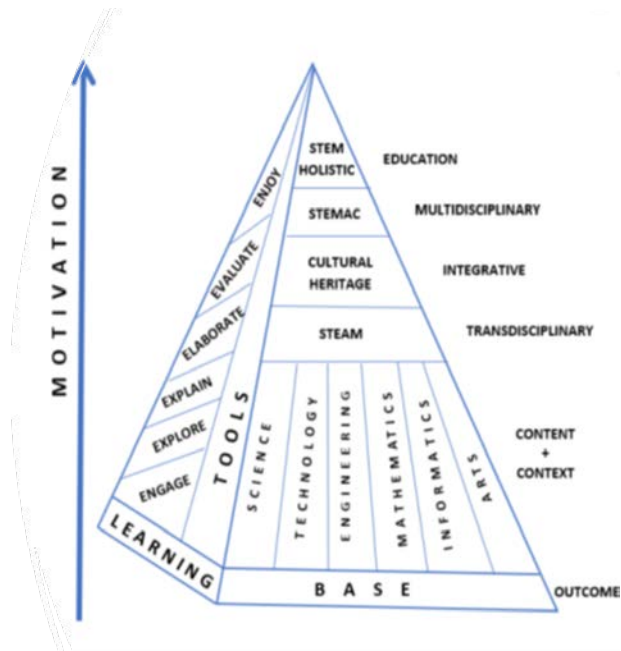


# VI. STEMAC

[More information](#)

## Science (S), Technology (T), Engineering (E), Mathematics (M), Arts (A) and Culture (C)

Prof Ioannis Liritzis Dean of Class IV formed the EASA Expert Group: SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS in ARTS and CULTURE (STEM-AC), consisting of members of EASA and some external collaborators.



To study the past cultures and rejoin arts and cultural heritage with STEM, any holistic approach to understanding cultural change must also include consideration of changes in the environment in which a society exists; this is applied to a temporal pace throughout the time (palaeolithic, prehistoric, historic societies). It recalls Cyber-archaeometry which is the digital IT process of simulation, restructuring and management of archaeometric processes from the field of natural sciences in relation to material culture, investigated variously (dating, prospection, analysis, technology, provenance, archaeoastronomy, etc.), either as optimum recruited image or as targeted research quest

SATELITE ROUND TABLE IN ATHENS, June 2023

A first discussion of holding an evening satellite meeting between four members of Appendix lead by our Member in Class IV Zsolt Lavinca during a scheduled conference held in Athens and member of Class IV Ioannis Liritzis along with representatives from Greece (Universities, Schools, Scientific Associations) was realized in Athens.



Network  
Research  
Lab

The European Academy of Sciences and Arts (EASA) of Salzburg  
in collaboration with

the Laboratory of Networks and Telecommunications Systems, Services and Security of the Department of Informatics of the University of Piraeus (NetLab)

invites you to participate

Thursday 8 June 2023 and hours 17:00 – 21:00 (Athens time),

in a Workshop and brainstorming session on STEM in Arts & Culture (STEMAC).

Endorsed by: Hellenic Physical Society, MSc „Digital Culture, Smart Cities, IoT and Advanced Digital Technologies” Dept. of Informatics Univ. of Piraeus

Endorsed by the MSc „Digital Culture, Smart Cities, IoT and Advanced Digital Technologies”, Dept. of Informatics, Univ. of Piraeus,

with the support of the Hellenic Physical Society.

Place: Main conference amphitheater, University of Piraeus, Karaoli and Dimitriou 80, 18534, Piraeus, Greece

Contact point: Dimitrios Kotsifakos,

[kotsifakos@unipi.gr](mailto:kotsifakos@unipi.gr)

## Programme

17:00–17:05	Welcome by the Organizers
17:05–17:15	Klaus Mainzer (President of EASA, online), “Highlights of STEMAC-Education“
17:15–17:25	Ioannis Liritzis, “The STEMAC: definition, Vision, Strategy, Sustainability, Research & Implementations”
17:25–17:35	Zsolt Lavicza, “Technological and Pedagogical Innovations in STEAM Education”
17:35–17:45	Dr. Branko Andjic, “STEAM Education, 3D Printing for Inclusiveness”
17:45–17:55	Mathias Tejera, “Augmented Reality and 3D Printing for Architectural STEAM Modelling”
17:55–18:05	Shereen El Bedewy (online): “Fostering Transdisciplinary STEAM Practices Through Architectural Modelling”
18:05–18:15	Lambros Psomas, “STEM in Homo Educantus Education School, Corinth, Greece”
18:15–18:25	Dimitris Tsimpouris, «Cycladic art: a journey from pottery to 3D printing»
18:25–18:45	Coffee-Refreshments
18:45–18:55	Dr. Dimitrios Kalaitzidis, “Climate Change in Education and STEMAC Perspective”
18:55–19:05	Christos Douligeris, “From “Design STEM+ to Digital Culture: Scientific Actions in a STEMAC Context”
19:05–19:15	Anastasia Georgaki, “New technologies related to the singing voice within the context of STEMAC”
19:15–19:25	Demetrios Sampson, “Digital Systems for Supporting STEM Education”
19:25–19:35	35 Konstantinos Kalovrektis, “Openlab - A space for STEAM-AC activities”

19:35–19:45	Kostas Skordoulis, “Student performance in the Postgraduate program STEM education and educational robotics systems at the Univ of Athens”
19:45–19:55	Dimitrios Kotsifakos, “Research, interventions, and scientific papers on STEMAC Directions for Greek Public Schools”
19:55–20:05	Spyridon Papadakis, “STE(A)M in Primary and Secondary Education of Greece: Projects and Conference”
20:05–21:15	Brainstorming Discussion, Exchanges, Exploration of cooperations, and of forming a European Network

It is planned a Delphic cyberspace conference which shall form part of the pre-announced Pythian Games lead by EASA in collaboration with other Institutions and its satellite high tech advanced conference of Pythiads (the conference competition event of high tech applied to the study of past cultures). Possible event (subject to funding and availability of experts and funding) is hopefully by the end of 2024.

# VII. 12<sup>TH</sup> DANUBE ACADEMIES CONFERENCE (DAC)

## DANUBE ACADEMIES CONFERENCE

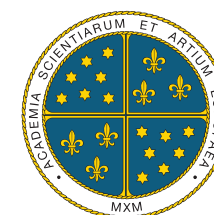
The Danube Academies Conference (DAC) is a forum for all national Academies of the Danube region and focuses on scientific developments in this area. It is a platform for the exchange between the national academies from Central and Eastern Europe.



Slovenian Academy of Sciences and Arts; © SASA

The 12th Danube Academies Conference was organised by the European Academy of Sciences and Arts and hosted by the Slovenian Academy of Sciences and Arts (SASA), Ljubljana on October 18-20, 2023.

The conference with the main topic „Water in all aspects“ was opened by EASA-President Klaus Mainzer and Prof. Dr Peter Štih, President of the Slovenian Academy of Sciences and Arts. Scientists from Bulgaria, Belarus, Germany, Slovenia, Montenegro, Slovakia, Serbia gave their presentations on the topic of the anthropogenic impact on water resources, biodiversity loss, heavy metal and microplastics pollution and challenges arising from climate change.





# VIII. TOLERANCE PROJECT

## Tolerance Award 2023

[More information](#)



Maximilian Fussl (Grapharius EASA), Felix Unger (Honorary President, EASA), Klaus Mainzer (President EASA)  
© wildbild

The European Academy of Sciences, Humanities and the Arts, based in Salzburg, awarded the Tolerance Prize to its long-standing President and current Honorary President Prof. Dr. Dr. h.c. Felix Unger on 17 November in the press centre of the Salzburger Nachrichten. Felix Unger. The award honours Unger's commitment and many years of dedication to intercultural and interreligious understanding, which he particularly promoted during his presidency. On his initiative, the Academy also awards so-called Tolerance Rings to international representatives of the Jewish, Christian and Muslim religions each year to honour their efforts to promote understanding between the religions.

Since its foundation by Felix Unger, Cardinal Franz König and Nikolaus Lobkowitz in 1990, the European Academy of Sciences and Arts (EASA) has always been committed to a culture of tolerance and will remain true to this commitment in the future:

„The Tolerance Award has the function of helping to raise awareness in society and to promote a tolerant and peaceful coexistence of people and cultures. A look around the world shows how important it is to practise tolerance in everyday life“ (Prof Dr Dr hc Felix Unger, Honorary President of the European Academy of Sciences and Arts).



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# IX. REPORTS

## Topic Network of Expert Groups



In order to sharpen the profile of our Academy, the Senate is permanently working with a topic network of expert groups such as

- ✦ Digitalization, AI, and their Societal Impact (coordinator: President)
- ✦ Research, Innovation, and Education (coordinator: Dean of Class IV)
- ✦ Medicine and Life Science (coordinator: Dean of Class II)
- ✦ Environment, Climate, and Energy (coordinator: Dean of Class VI)

The goal of this topic network is to interrelate the different research interests in our Academy, but also to produce white papers, created by members of the EASA in collaboration with European organisations and institutions, which can draw attention to the work done in the Academy and the intellectual standing of its members and result in societal impact of the Academy. The White Papers were certified by Presidium and Senate and were published in the new Journal of EASA/PEASA, online since 2022.

## International Center Of Education – INTERCEDU

### New headquarter in Limbach

International Center of Education [INTERCEDU](#) was founded in 2020 by Professor Štefan Kassay. In 2023, INTERCEDU opened its new headquarter in Limbach located 20 km from Bratislava, the capital city of Slovakia. In terms of location, it is well accessible especially for foreign visitors, who use a direct connection by air or rail to Bratislava, reaching INTERCEDU headquarter in Limbach via national highway. [Intercedu Video Presentation](#)

The building itself is constructed using top quality building materials meeting specific criteria such as energy efficiency and sustainability. The architects used precast concrete in building construction, which is resistant to natural disasters and thus provides maximum static safety. A south-facing slope where building is placed offers maximum solar access throughout the year and thanks to energy recovery ventilation system, it thus minimizes energy loss. Well- designed courtyard in front of the building decorated with conifers grown in Italy is the best place for relaxation.



© Intercedu

The modern interior of the building provides maximum comfort for everyone, as all floors are barrier-free. The premises of the INTERCEDU headquarter were designed to primarily serve the needs of modern education center- where You can find fully equipped project rooms and library. Another important element of INTERCEDU headquarter is its own graphic studio and space to hold international conferences. Innovative design solutions offer representative character of the building, which is ready to serve also for representative purposes of educational and scientific activities commonly organized by INTERCEDU and European Academy of Sciences and Arts.

## The VTA Institute for Health & Environment New Research Centre Alma Mater Europaea/VTA/EASA



© VTA

The VTA Institute for Health and Environment in Rottenbach consists of three first-class laboratories, each divided into the key areas of chemistry, microbiology and molecular biology. These state-of-the-art facilities have enabled us to carry out a wide range of analyses and overcome complex challenges in these specialist areas for decades.

The VTA research campus is currently under construction and is expected to start operations in autumn 2024. Construction is well underway, and the campus will not only help to expand our research capabilities, but also to intensify the exchange of knowledge and experience.

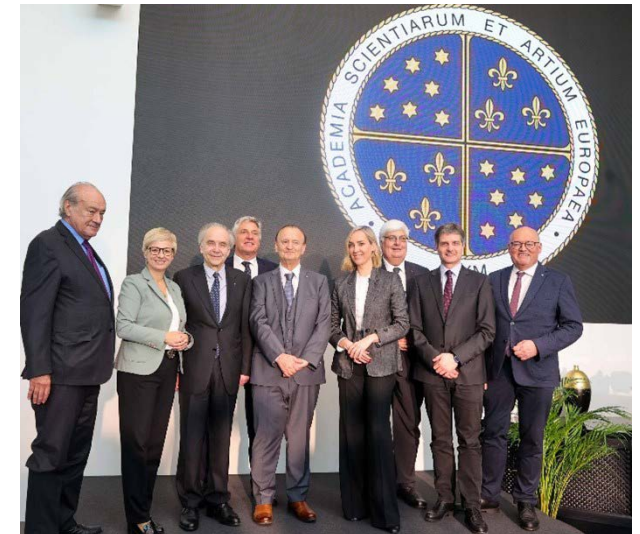
Our current techniques and methods are already state-of-the-art and can overcome potential challenges in the operation and optimization of wastewater treatment plants. But we are not resting on our laurels. On the contrary, the VTA research campus will serve to further increase our efficiency. Through our continuous pursuit of excellence, we are proud to be the market leader in this field.

An essential part of our mission is not only to develop solutions, but also to actively contribute to knowledge transfer. The VTA Research Campus will not only be a centre for groundbreaking research but will also serve as a first-class

conference centre. Specialist conferences can be held here to bring together experts from all over the world and further promote the transfer of knowledge. We will also offer tours of our laboratories to provide an insight into the groundbreaking research.

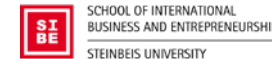
### Press conference – Research Centre Alma Mater Euro- paea/VTA/EASA

The new training campus was presented to the public at a [press conference](#) on 23 April.



© Daniel Scharinger v.l. - Felix Unger (Honorary President, EASA), Doris Hummer (President of the Upper Austrian Chamber of Commerce), Klaus Mainzer (President EASA), Alois Stadlmayr (Mayor of Rottenbach), Ulrich Kubinger (VTA, Honorary Senator EASA), Nadja Bernhard (ORF-ZiB moderator), Martin Stieger (Allensbach University), Martin Schaffnerath, Laurenz Pöttinger (Member of the National Council)

## Symposium Quanten-Computer Challenges of a revolutionary technology for Europe April 26, 2023



European Academy of Sciences, Humanities and the Arts, IBM, the School of International Business and Entrepreneurship, SIBE, Steinbeis University (Werner Faix, Member EASA, Class V) and TUM International GmbH, a subsidiary of the Technical University of Munich

Location: IBM München/IBM Innovation Studio Munich, Mies-van-der-Rohe-Straße 6, 80807 München

With the kick-off event, the European Academy of Sciences and Arts (EASA), IBM, the School of International Business and Entrepreneurship, SIBE, Steinbeis University and TUM International GmbH, a subsidiary of the Technical

University of Munich, addressed companies, organisations, scientists, students and graduates in Munich Quantum Valley and beyond to get them excited about innovation topics using the example of quantum computing. The aim is to build a bridge from basic research to applied technology and its economic and social impact.

## Programme

	<b>Wolfgang Rodler and Felix Unger</b> Welcome address
3 p.m.	<b>Klaus Mainzer</b> From the first to the second quantum revolution
3:10 p.m.	<b>Immanuel Bloch</b> Calculating with atoms, trapped in laser light
3:45 p.m.	<b>Heike E. Riel</b> From quantum computer to quantum practice I
4:20 p.m.	<b>Liane Windisch, Friederike Hettinger, Werner G. Faix</b> From quantum computer to quantum practice II, Quantum Computer Innovation Projects
4:55 p.m.	<b>Meinrad Much u. Wolfgang Rodler</b> Conclusion and outlook on further activities
5:30 p.m.	Possibility to visit the exhibition areas with application projects of partners & get together including catering

## X. WE CONGRATULATE

### Ferenc Krausz, EASA-Member, Class IV, received the Nobel Prize in Physics 2023

Ferenc Krausz, Hungarian-Austrian physicist, director at the Max-Planck- Institute of Quantum Optics in Garching and professor at the Ludwig Maximilian University of Munich (LMU), EASA-Member, Class IV, [received the Nobel Prize in Physics 2023](#) together with Pierre Agostini from Ohio State University (USA) and Anne L’Huillier from Lund University (Sweden) for the pioneering work in attosecond physics.



© Österreichische Akademie der Wissenschaften

### Awarding of the Honorary Doctorate to Honorary President Felix Unger

The Honorary President of the European Academy of Sciences and Arts, Professor Felix Unger, received the title of honorary doctor for his outstanding achievements in the field of medicine and humanism, and for his academic and organizational contribution to the development of Alma Mater Europaea – European Center, Maribor.

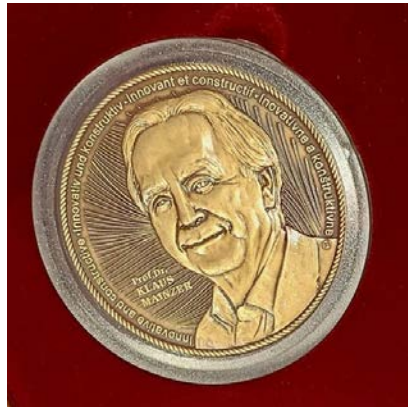
The Honorary Doctor was awarded to Professor Felix Unger by the President of Alma Mater Europaea – ECM, Professor Ludvik Toplak, in the Knights’ Hall of the Maribor Regional Museum.



© AMEU

## Awarding of the Štefan Kassay's Gold Medal to EASA-President Klaus Mainzer

President Klaus Mainzer was awarded the Štefan Kassay's Gold Medal for support of science and education by Prof. Dr.h.c.mult.PhDr.Ing. Štefan Kassay, DrSc, President of International Center of Education-INTERCEDU in Slovakia and member of EASA, Class VI, for his lifetime achievements, for the application of mathematics in the context of human development, for special merits in science and management in a meaningful complexity achieving progress in artificial intelligence (AI) research.



© EASA

[Video](#)

[Talk Studio Intercedu](#)

## XI. MULTIMEDIA



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Under the heading [Multimedia](#) you can access the video-documented events on the EASA website.

### [„Stop the War in the World“](#)

Published: 13 January 2023

„Ave Maria“ for Choir.

Vocal Ensemble „Initium“

### [Colloquium Art meets Science & Science meets Art / Charlotte Seither / Costas Demetzos](#)

Published 27 January 2023

### [Vuza Canons](#)

Published: 27 January 2023

Vuza Canons is the name of the new album by Violeta Dinescu, Dean Class III, released by the Göttingen-based lovers' and authors' label Gutingi. Music for which mathematical knowledge is helpful. Georg Beck was interested in the Romanian background of this production. Here he tells the story about it.

### [EASA Expert Group: Education, Research, Innovation \(ERI\)](#)

Published: 01 February 2023

Part I in the Conversation Series:

Conversation between Ioannis Liritzis, Dean Class IV, EASA and Andrew Balas, Delegate of EASA, Augusta University.

Topic: Promoting Innovation by strengthening the partnership between Humanities and STEM Sciences.

### [The Lady with the Dog](#)

Published: 11 February 2023

Opera Production-National Opera Bucharest, February 11, 2023

Livia Teodorescu-Ciocănea, composer, pianist, member EASA, Class III, Professor, PhD habil. National University of Music Bucharest, Composition Department, Romania

### [Colloquium Art meets Medicine / Oliver Korte / Zvezdan Pirtošek](#)

Published: 21 April 2023

Organization: Violeta Dinescu, Dean of Class III; Dušan Šuput, Dean of Class II Art / Oliver Korte: Why coding? On the purpose, aesthetics, and techniques of cryptography in music

Medicine / Zvezdan Pirtošek: The brain in gallery and at concert

### [Colloquium Art meets Medicine / Klaus Mainzer](#)

Published: 05 May 2023

Organization: Violeta Dinescu, Dean of Class III; Dušan Šuput, Dean of Class II Art and Medicine: Klaus Mainzer

Artificial Intelligence - Challenge for Human Creativity?

### [News of Livia Teodorescu-Ciocănea](#)

Published: 22 May 2023

Livia Teodorescu-Ciocănea, David DeBoor Canfield: Fanfare Magazine  
Orchestermusik von Livia Teodorescu-Ciocănea

### [Colloquium Art meets Medicine / Wolfgang Mastnak / Athanasia Printza](#)

Published: 02 June 2023

Organization: Violeta Dinescu, Dean of Class III; Dušan Šuput, Dean of Class II Art / Wolfgang Mastnak: Depth psychology, parallel worlds & Lytaniae for Celli.

Medicine / Athanasia Printza: VOICE- the science and art of self and social self.

### [Zukunft durch nachhaltige Innovation: Im Wettkampf der Systeme](#)

Published: 15 June 2023

Book Presentation Klaus Mainzer, President EASA

### [Colloquium Art meets Medicine / Christopher Fox / Mihaela Vosganian](#)

Published: 16 June 2023

Organization: Violeta Dinescu, Dean of Class III; Dušan Šuput, Dean of Class II Art / Christopher Fox: Innovation and sustainability in new music.

Medicine / Mihaela Vosganian: Triple module of practice and vibrational therapy through the art.

### [EASA Expert Group: Education, Research, Innovation \(ERI\)](#)

Published: 29 June 2023

Part II in the Conversation Series:

Ioannis Liritzis, Dean of Class IV, EASA and Ulrich Hemel, Director of Weltethos Institute and President of the Federation of Catholic Entrepreneurs (BKU), member EASA, Class VII.

Topic: AI ethics in schools Education, research, innovation.

### [Colloquium Art meets Medicine / Hannah Monyer](#)

Published: 30 June 2023

Organisation and Chair: Violeta Dinescu, Dean EASA, Class III; Dušan Šuput, Dean EASA, Class II

Art & Medicine: Hannah Monyer: Underlying mechanisms for memory formation and retrieval: neuroscientific explanations and literary examples from Marcel Proust's „Recherche“

### [Colloquium Art meets Medicine / Costas Demetzos](#)

Published: 14 July 2023

Medicine: Nanomedicines and Nanovaccines: from bench to Clinic

Organisation and Chair: Violeta Dinescu, Dean EASA, Class III; Dušan Šuput, Dean EASA, Class II

### [Colloquium Arts meet Sciences / Marjan Slak Rupnik / Ernst Poeppel](#)

Published: 13 October 2023

Organisation and Chair: Violeta Dinescu, Dean EASA, Class III; Dušan Šuput, Dean EASA, Class II

Art & Science: Marjan Slak Rupnik, Class III, Rhythms and economy of metabolism, Medical University of Vienna, Institute of Physiology; Prof. Dr. phil.Dr.med.habil.ML Ernst Poeppel (1, 2): Biological Aspects of Knowing: Challenges for Artificial Intelligence, Human Science Center, Munich

Introduction: [Klaus Mainzer](#), President EASA, Former Full Professor of Philosophy and Philosophy of Science at TUM School of Social Sciences and Technology, Munich

### [Colloquium Arts meet Sciences / Peter Herrmann / Qui Mao / Wolfgang Mastnak](#)

Published: 27 October 2023

Organisation and Chair: Violeta Dinescu, Dean EASA, Class III; Dušan Šuput, Dean EASA, Class II

Art & Science: Peter Herrmann: Helping Nature to its Rightful Place, Research Fellow Central South University, Human Rights Centre at the Law Faculty, Berlin; Qui Mao and Wolfgang Mastnak: Reflexions: Chinese Music Therapy in Psycho-Oncology, Hochschule für Musik und Theater, München

Introduction: Klaus Mainzer, President EASA, Former Full Professor of Philosophy and Philosophy of Science at TUM School of Social Sciences and Technology, Munich

### [Colloquium Arts meet Sciences / Nika Radic / Wolfgang Martin Stroh](#)

Published: 24 November 2023

Organisation and Chair: Violeta Dinescu, Dean EASA, Class III; Dušan Šuput, Dean EASA, Class II

Art & Science: [Nika Radic](#): The Artwork and the Improbability of Communication, Independent Fine Art Professional; Wolfgang Martin Stroh: Tuning the World – Postcolonialism and World Music Tuning Systems

Introduction: Klaus Mainzer, President EASA, Former Full Professor of Philosophy and Philosophy of Science at TUM School of Social Sciences and Technology, Munich

### [Colloquium Arts meet Sciences / Klaus Mainzer / Zhouxiang Lu / Peter Herrmann](#)

Published: 08 December 2023

Organisation and Chair: Violeta Dinescu, Dean EASA, Class III; Dušan Šuput, Dean EASA, Class II

Science: Klaus Mainzer and Zhouxiang Lu, moderated by Peter Herrmann

Reflexions: Social Competence and Digitisation / Artificial Intelligence

Klaus Mainzer, President EASA, Former Full Professor of Philosophy and Philosophy of Science at TUM School of Social Sciences and Technology, Munich; Zhouxiang Lu, Maynooth University, National University of Ireland; Peter Herrmann, Research Fellow, Central South University, Human Rights Centre at the Law Faculty, Berlin-China

### [Interview mit Klaus Mainzer / BR2 Radio](#)

Published: 21 December 2023

BR2 radioWelt, Moderation: Franziska Eder im Gespräch mit Prof. Dr. Klaus Mainzer

## XII. NEW MEMBERS

### elected by the Senate 2023



#### Class I – Humanities

Claus Christian CARBON, Germany  
Derya GURSES-TARBUCK, Türkiye  
Rusmir MAHMUTĆEHAJIĆ, Bosnia  
and Herzegovina

Stefania MICHELUCCI, Italy  
Michael MOSER, Austria



#### Class II – Medicine

Lidija BEKETIC-ORESKOVIC, Croatia  
Rudy Leon DE WILDE, Germany  
Sanja KUPESIC PLAVSIC, Croatia  
Shengbin LI, China  
Ulrich MROWIETZ, Germany  
Igor RUDAN, United Kingdom  
Osman SINANOVIĆ, Bosnia and  
Herzegovina

Ihsan SOLAROĞLU, Türkiye  
Hendrik STREECK, Germany  
Tatjana STANOJKOVIC, Serbia  
Vladimir TRAJKOVSKI, North  
Macedonia  
Jialin ZHENG, China  
Yi Zhun ZHU, Singapore



#### Class III – Arts

Ghenadie CIOBANU, Republic of  
Moldova  
Monika CZERNIN, Austria  
Anne DO PAÇO, Austria  
Ivar FROUNBERG, Norway  
Matthias HURST, Germany  
Oliver KORTE, Germany  
Laurenz LÜTTEKEN, Switzerland  
Dieter MACK, Germany  
Gheorghe MUSTEA, Republic of  
Moldova

Irina MUREŞANU, USA  
Sophie PACINI, Germany  
Nika RADIĆ, Croatia  
Constantin RUSNAC, Republic of  
Moldova  
Wolfgang Andreas SCHULTZ,  
Germany  
Michael TSALKA, China  
Gerrit ZITTERBART, Germany



#### Class IV – Natural Sciences

Joachim Ernst F.BURGDORFER,  
Germany  
Martin EGLI, Switzerland  
Markus FISCHER, Germany  
Zhong-Ping JIANG, USA  
Vadim KALOSHIN, Russia  
Panayotis KEVREKIDIS, Greece

Luca SALASNICH, Italy  
Eva HOLTGREWE  
STUKENBROCK, Germany  
Yi PAN, China  
Volkmar WEISSIG, Germany  
Sebastian WOLF, Germany



#### Class V – Social Sciences, Law & Economics

Alberto DE FRANCESCHI, Italy  
Thomas JAEGER, Austria  
Srgjan KERIM, Bosnia and  
Herzegovina

Silja KLEPP, Germany  
Phoebe KOUNDOURI, Greece  
Eva Ines OBERGFELL, Germany



#### Class VI – Technical & Environmental Sciences

Bashir M. AL-HASHIMI, United  
Kingdom  
Detlef BARTSCH, Germany  
Maosen CAO, China  
Dar-Zen CHEN, Taiwan  
Liang-Yin CHU, China  
Tianhong CUI, USA  
Krešimir ČOSIĆ, Croatia  
Xue FENG, China  
Yun FU, USA  
Liviu GORAS, Romania  
Csaba GYURICZA, Hungary  
Xiaoming (Shawn) HE, USA  
Sun-Yuan HSIEH, Taiwan  
Seifedine KADRY, Lebanon

André KAUP, Germany  
Kexuan TANG, China  
Stefano LENCI, Italy  
Valery LEVITAS, USA  
Xinyu LIU, Canada  
Joseph MICALLEF, Malta  
Asoke Kumar NANDI, United  
Kingdom  
Geir Egil Dahle ØIEN, Norway  
Daniel RITTEL, Israel  
Nedim SULJIC, Bosnia and  
Herzegovina  
Albert P. PISANO, USA  
Si-Zhao QIN, China  
Bart RAEYMAEKERS, USA



Hanoch Daniel WAGNER, Israel  
Chien Ming WANG, Australia  
Qingyuan WANG, China  
Robert F. WIMMER-  
SCHWEINGRUBER, Germany

Pak Kin WONG, USA  
Xin ZHANG, USA  
Xiao Lin ZHAO, Australia  
Jacek ZURADA, Poland



## Class VII – World Religions

Nuria CALDUCH-BENAGES, Spain  
Reinhold BERNHARDT, Germany  
Purushottama BILIMORIA,  
Australia  
Franz Xaver BISCHOF, Germany  
Bernhard BLANKENHORN,  
Germany  
Peter DUBOVSKÝ, Italy

Christoph ELSAS, Germany  
Eva-Maria FABER, Switzerland  
Ursula NOTHELLE-WILDFEUER,  
Germany  
Vinko PULJIĆ, Bosnia and  
Herzegovina  
Klaus von STOSCH, Germany

# NOMINATION

Know somebody who would  
fit in right with us?

EASA Members can recommend new  
members for consideration.



<https://euro-acad.eu/nomination-election>

# The Journal of the EASA

Publishing platform for innovative, interdisciplinary and transnational research



The PEASA Journal accepts submissions from members and non-members.



[www.peasa.eu](http://www.peasa.eu) 

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## NEWS & EVENTS

Stay tuned:

News and upcoming events can be found on our website



[euro-acad.eu/news](http://euro-acad.eu/news)



[euro-acad.eu/events](http://euro-acad.eu/events)

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# NEWS

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velipente lacus auctor sit amet. Quisque nec rutrum  
ligula. Sed sator sem, lobortis vitae eleifend  
vestibulum, tincidunt sed mi. Sed maximum blandit  
semper.

# European Academy of Sciences and Arts

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