



President

## Greetings from St.Peter 01/23

### Letter of the President

Salzburg, 20 March 2023

Dear members of the European Academy of Sciences and Arts,

at the beginning of spring, I send warm greetings from Salzburg to all our members. In a few weeks I hope to meet many of you at the occasion of our annual Festive Plenary and General Assembly on Saturday 15 April in Salzburg. The afternoon before on Friday 14 April there will be the workshop on the White Papers of our EASA Expert Groups followed by the traditional reception in the Carabinieri Hall of the Salzburg Residence.

The White Papers of the Academy are closely related to the topics of the Festive Plenary. With the new possibilities of an AI chatbot in everyday life, but also in almost all areas of science, study and teaching, the topic of digitalisation and artificial intelligence has been attracting the greatest public attention worldwide for several weeks. In her festive speech, the Former Advocate General of the European Court of Justice (ECJ) and Member of the Board of the EU Agency for Fundamental Rights, Prof. Dr. Verica Trstenjak, will speak on the topic "Human rights in digital age: Will algorithms prevail over humanity". The theme of sustainability and climate will be considered in this year's Awarding of the Honorary Senator. Dr. h.c. Ulrich Kubinger/VTA will be honoured for his extraordinary innovations in this field and their implementation to keep water clean. The musical arrangement of this year's festive assembly is entirely dedicated to one of the great universal woman scholars of European history, Hildegard of Bingen (1098-1179), who was not only an important physician, philosopher and mystic, but also a poet and musician. I would like to thank the Dean of the Class of Art, Prof. Violeta Dinescu, for the musical arrangement.

The focus of the annual festive assembly is traditionally the inauguration of new members. The members who were admitted at the last Senate meeting can be found in the list below. Please, also note current and upcoming events listed under Schedule/Events. International attention was recently given to our annual event with the Alma Mater Europea in Maribor/Slovenia (11th International Conference-It's About People, Social and Technological Development in Service of Security and Dignity), which was opened by EU Commissioner Mariya Gabriel. Further on, I would like to draw your attention to an upcoming Alma Mater event organised by the Academy with IBM Munich, Steinbeis University and the Max-Planck-Institute for Quantum Optics on "Quantum Computer. Challenges of a revolutionary technology for Europe" on April 26, 2023, 3p.m.-6 p.m.

All good wishes once again for the beginning of spring and a safe journey to the festive event in Salzburg

With kind regards

Prof. Dr. Klaus Mainzer

President

**ACADEMIA SCIENTIARUM ET ARTIUM EUROPAEA**



## **NEW MEMBERS ELECTED BY THE SENATE**

### **Class II:**

Prof. Dr.sc., Dr. med. Lidija Beketić-Orešković, University of Zagreb, Croatia  
MD, MPH Sonia Ehrlich Sachs, Columbia University, Czech Republic  
Prof. Dr. med. Gerhard Ehninger, Technical University Dresden, Germany

### **Class III:**

Prof. Dr. Christopher Peter Fox, University of York, United Kingdom  
Jonas Kaufmann, Germany  
Prof. Dr. Oliver Korte, Musikhochschule Lübeck, Germany  
Prof. Dr. Wolfgang-Andreas Schultz, Hochschule für Musik und Theater Hamburg, Germany  
Sophie Pacini, Italy

### **Class IV:**

Prof. Dr. Markus Fischer, Institute of Food Chemistry Hamburg, Germany  
Prof. PhD Wilhelm Schlag, Yale University, Austria

### **Class V:**

Prof. BA MA PhD Hong Fan, Shanghai University of Sport, United Kingdom  
Univ.-Prof. Dr. phil. Heinz Fassmann, Austrian Academy of Sciences, Austria  
Univ.-Prof. Jeffrey David Sachs, Columbia University, USA  
Prof. Dr. Martin Stieger, Allensbach Hochschule, Austria

### **Class VI:**

Prof. Bashir M. Al-Hashimi, King's College London, United Kingdom  
Prof. Dar-Zen Chen, National Taiwan University, Taiwan  
Prof. Qingyuan Wang, Sichuan University, China  
Prof. BUT, Dr. hab. Eng. Krzysztof Kamil Żur, The Białystok University of Technology, Poland  
Prof. Dr. Ing. Geir Egil Dahle Øien, Norwegian University of Science and Technology, Norway  
Univ.-Prof. Dr. Dr. Michael Wagner, University of Vienna, Germany

### **Class VII:**

Prof. Dr. theol. Anneli Aejmelaeus, University of Helsinki, Finland  
Prof. Dr. theol. Franz Xaver Bischof, Ludwig Maximilian University Munich, Switzerland  
Prof. Dr. Nuria Calduch-Benages, Pontificia Università Gregoriana Roma, Spain  
Prof. Alison G. Salvesen, University of Oxford, United Kingdom  
Prof. Dr. Geert Van Oyen, Université Catholique de Louvain-la-Neuve, Belgium



## SCHEDULE/EVENTS

### **Alma Mater Europea, 11th International Conference-It's About People, Social and Technological Development in Service of Security and Dignity, AMEU Maribor**

March 10-17, 2023, Online

[https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/AMEU\\_K-2023\\_Flyer\\_02.pdf](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/AMEU_K-2023_Flyer_02.pdf)

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

Web: <https://conference.almamater.si/>

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

March 15, 2023, University of Warwick

Program:

<https://warwick.ac.uk/fac/sci/physics/news/events?calendarItem=8a17841a837f52ba01838e24175e70b5>

### **CONFERENCE "Grenzen der künstlichen Intelligenz"**

March 29 -31, 2023, Speech Klaus Mainzer: „Grenzen der KI – theoretisch, praktisch, ethisch“

Contact: <https://www.hfph.de/kontakt>

Program: [https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Zeitplan\\_Konferenz\\_HFPH.pdf](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Zeitplan_Konferenz_HFPH.pdf)

### **Workshop: Presentation of EASA White Papers**

April 14, 2023, 02:00 – 05:00 p.m., HS 101, Katholisch-Theologische Fakultät, University of Salzburg  
Universitätsplatz 1, Ground Floor, 5020 Salzburg, Deans of Class I-VII.

Program: [https://www.euro-](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Invitation%20to%20the%20Workshop.pdf)

[acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Invitation%20to%20the%20Workshop.pdf](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Invitation%20to%20the%20Workshop.pdf)

### **EVENING RECEPTION**

April 14, 2023, 07: 00 p.m., Carabinierisaal, Residence Salzburg, on occasion of the Festive Session 2023 and in honour of the new members.

[https://www.euro-](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/EVENING%20RECEPTION.pdf)

[acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/EVENING%20RECEPTION.pdf](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/EVENING%20RECEPTION.pdf)

### **GENERAL ASSEMBLY**

April 15, 2023, 09:00 p.m. Great Assembly Hall, University of Salzburg.

Agenda: [https://www.euro-](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/GENERAL%20ASSEMBLY.pdf)

[acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/GENERAL%20ASSEMBLY.pdf](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/GENERAL%20ASSEMBLY.pdf)

### **Festive Plenary, Inauguration of New Members**

April 15, 2023, Great Assembly Hall of the University of Salzburg.

Program: [https://www.euro-](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/FESTIVE%20PLENARY.pdf)

[acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/FESTIVE%20PLENARY.pdf](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/FESTIVE%20PLENARY.pdf)

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

May 14-19, 2023, Baška, Krk Island, Croatia,

Contact Information: Serdjo Kos, FRIN, Class VI: [serdjo.kos@uniri.hr](mailto:serdjo.kos@uniri.hr)

University of Rijeka, Faculty of Maritime Studies, <https://euro-acad.eu/events?id=135>

## **ACADEMIA SCIENTIARUM ET ARTIUM EUROPAEA**



**Quanten -Computer-Symposium, Herausforderungen einer revolutionären Technologie für Europa**

April 26, 2023, 3p.m-6 p.m., Challenges of a revolutionary technology for Europe, IBM Munich, School of International Business and Entrepreneurship, Steinbeis University, Organisation Committee: Werner Faix (Member EASA, Class V), Klaus Mainzer (President EASA), Felix Unger (Honorary President EASA),

<https://www.steinbeis-sibe.de/symposium-2023>

**Policy Dialogue, Artificial Intelligence and Democracy: Challenges and Avenues of Amalgamation**

May 22- 23, 2023, Sala del Capitulo/Badia Fiesolana/Firenze, Speech President Klaus Mainzer, May 22, Program: <https://euro-acad.eu/events?id=167>

**Neurocard 2023**

May 26- 27, 2023, The 12th International Symposium on Neurocardiology and The 11th International Symposium on Noninvasive Electrocardiology, Organisation Committee: Branislav Milanovic, Class II, Congress President, Milovan Bojic, Class II, Director of the Institute.

Program: <https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/NEUROCARD%202023.Flyer.pdf>

**Interdisziplinäres Symposium (Interdisciplinary Symposium)**

June 1- 3, 2023, Kirchenlehrer und KirchenlehrerInnen-Entstehung, Wandel, Bedeutung Universität Freiburg/Theologische Fakultät, Organisation: Mariano Delgado (Dean Class VII), Volker Leppin (Member EASA, Class VII). Program: <https://euro-acad.eu/events?id=166>

**Advanced Ceramics and Applications XI**

September 18- 20, 2023, Chairs: Dr. Lidija Mančić, Dr. Nina Obradović, (former president of the SCS and former EASA Delegate for Serbia, Vojislav Mitic †),

Program: <https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Fist%20call%20-%20ACA%20XI%20conference.pdf>,  
<http://www.serbianceramicsociety.rs/>

**12<sup>th</sup> Danube Academies Conference**

October 18- 20, 2023, patronage: President of the Slovenian Academy of Sciences and Arts (SASA): Prof. Dr. 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: Prof. Dr. Branko Stanovnik ([international@sazu.si](mailto:international@sazu.si)), <https://euro-acad.eu/events?id=154>

**RECEIVED PRINT AND ONLINE PUBLICATIONS**

**Grigorios Tsokas, Nikolaos Lazaridis and Omar Abdel-Kareem:**

In Honor of Prof. Ioannis Liritzis, Essays in Archaeology & Archaeometry and the Hellenic Contribution to Egyptology, February 2023

**Werner Weidenfeld & Wolfgang Wessels, Jahrbuch der Europäischen Integration 2022, Nomos Verlag.** <https://euro-acad.eu/books?id=119>

**ACADEMIA SCIENTIARUM ET ARTIUM EUROPAEA**



**PEASA/Proceedings of the European Academy of Sciences and Arts, Vol.1, No.1,  
published articles 2022/23:**

<https://www.peasa.eu/>

**Inauguration Speech**

*Klaus Mainzer*

Published on: July 13, 2022

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

*Ioannis Liritzis*

Published on: August 29, 2022

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

*Costas Demetzos, Panagiotis Vlamos and Dimitrios Vlachakis*

Published on: October 7th, 2022

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

*Markus Vogt*

Published on: October 13th, 2022

**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 17th, 2022

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

*Riccardo Pozzo*

Published on: October 20th, 2022

**On A Mathematical Theory Of Sustainability Assessment**

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

Published on: November 4th, 2022

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

*Niki Evelpidou, Maria Tzouxanioti and Alexandros Liaskos*

Published on: November 9th, 2022

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

*Riccardo Pozzo*

Published on: November 11th, 2022



**Some fascinating Developments in Mathematics and Music**

*Emmanuel Amiot*

Published on: November 30th, 2022

**Poetics of Hypertimbralism in Music**

*Livia Teodorescu-Ciocanea*

Published on: December 22, 2022

**Symmetry and Symmetry Breaking in Science and Arts**

*Klaus Mainzer*

Published on: December 30, 2022

**Policy Papers of the Expert Groups:**

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

*Coordinator: Sergio Orlandi*

Published on: December 12, 2022

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

*Coordinator: Klaus Mainzer*

Published on: December 19, 2022

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

*Coordinator: Ioannis Liritzis*

Published on: December 19, 2022

**ARTICLES:**

**Ion Andronache, Ioannis Liritzis and Herbert F. Jelinek**, Fractal algorithms and RGB image processing in scribal and ink identification on an 1819 secret initiation manuscript to the “Philike Hetaeria.”

Published on: February 1, 2023,

Article-Link: [https://www.euro-](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/FRACTAL%20ALGORITHM%20AND%20RGB%20IN%20PHILIKE%20HETAERIA%20MANUSCRIPT%202023.pdf)

[acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/FRACTAL%20ALGORITHM%20AND%20RGB%20IN%20PHILIKE%20HETAERIA%20MANUSCRIPT%202023.pdf](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/FRACTAL%20ALGORITHM%20AND%20RGB%20IN%20PHILIKE%20HETAERIA%20MANUSCRIPT%202023.pdf)

**Remote Sensing/Invitation to submit**

The Remote Sensing Society of Japan (RSSJ) and the Japan Society of Photogrammetry and Remote Sensing (JSPRS) are affiliated with Remote Sensing, and their members receive a discount on the article processing charge. EASA Members are invited to publish. Call for papers for this special issue : [https://www.mdpi.com/journal/remotesensing/special\\_issues/GNSS\\_VAC](https://www.mdpi.com/journal/remotesensing/special_issues/GNSS_VAC), Coordinator: Serdjo Kos, Full member of EASA and Leading Guest Editor. Deadline for Submissions October 15, 2023

**The Voice of Science and the Silence of Nature**

The Monograph “The Voice of Science and the Silence of Nature” of our member of Class IV (Natural Sciences) Prof. Costas Demetzos (Professor in Pharmaceutical Nanotechnology Department of Pharmacy, Section of Pharmaceutical Technology, <http://demetzoslab.gr/>) published by Lambert



Academic Publishers, donated to our Library (<https://euro-acad.eu/books?id=106> has been translated in seven (7) languages (<https://hub.uoa.gr/en/the-monograph-of-prof-costas-demetzos-the-voice-of-science-and-the-silence-of-nature/>)

**MULTIMEDIA:**

**"Stop the War in the World"**

*Dario Cebić* (Class III) and ensemble,

Link: <https://euro-acad.eu/multimedia?id=30>

**Vuza Canons**

new album by *Violeta Dinescu*, Dean Class III,

Link: <https://euro-acad.eu/multimedia?id=32>

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

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

Link: <https://euro-acad.eu/multimedia?id=33>

**The Lady with the Dog**

Opera Production-National Opera Bucharest, February 11, 2023

composer *Livia Teodorescu-Ciocanea*,

Link: <https://euro-acad.eu/multimedia?id=31>

**BIRTHDAYS**

45

Abdulla Azizi, Markus Krienke, Desheng Wu, Marko Di Renzo, Herwig Grimm

50

Christina Antenhofer, Carlo Rusconi, Gregor Thuswaldner

55

Armin Falk, Frédéric Leroux, Bernhard Schölkopf, Lorant Denes David, Jens Titze, Zeshui Xu

60

Stefan Böhm, Marco Noc, Hung-Dah Su

65

Zoltán Balog, Humberto Bustince, René De Borst, Sirka-Liisa Eriksson, Heiner Hastedt, Marcel Huber, Timothy Kirk, Senka Mesihović-Dinarević, Peng Shi, Zurab Vadochkorua, Peter M. Vogt, Dragan K. Vukčević, Jonathan Woon-Chung Wong

70

Georg Brasseur, Nicolas Christodoulou, Reinhold Fartacek, Michael Gabel, Ijaz S.Jamall, Andrey A. Nechaev, Gabriele Anna Maria Schmitz-Schackert, Jack T. Trevors, Shuguang Zhang, Franjo Topic, Francois Valentiny

75

Jury N. Belenkov, Aurelian Danila, Jani Golob, Ferdinand Hofstädter, Vlado Kambovski, Miljko Ristić, Aniello Russo Spena, Darko Tanasković, Jan Vanriet, Ali Kaveh, Karl-Josef Kuschel, Bogdan C.Simionescu

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80

Wulf-Uwe An der Heiden, Giulio Casati, Günter Gorschenek, Lyda Matisová-Rycklá, Wolf D.Prix, Ray H. Baughman, Valentin Fuster, Carmen Giménez, Tim Hunt, Paul Kirchhof, Tapani Köppä, Herbert Löllgen, Tamás Paal, Joseph E. Stglitz, Dieter Häberle, Gabor Naray-Szabo, Wolf Singer, Jure Zupan

85

Alhosseyni Anwari, Zdeněk Bažant, Matija Gogala, John Katskadelis, Francisco José Rubia Vila, Yvan Bruynseraede, Elek Bodor, Claude Sauer, Christian Schütz, Ludwig Mödl

90

Josef Bugl, Dirk van Dalen, Vladimir Ivanov-Omskii, Stanislaw Olszewski, Ranko Bugarski, Walter Kasper

95

Louis Crocq, Friedrich Wetter

### **WE CONGRATULATE**

Honorary President Prof. Dr.Dr.h.c. Felix Unger to the Awarding of the Honorary Doctorate of AMEU (March 10, 2023) 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: <https://euro-acad.eu/news?id=74>

Peter A. Winkler (Class II), em. Head of the University Department of Neurosurgery, Christian Doppler Clinic, Salzburg to the title „Honorary President of the Salzburg Medical Society.“

Marios Joannou Elia (Class III), has been awarded the Prize for Music by the Academy of Athens on December 20 as the highest honor as music award in Greece; Video-Link: [https://youtu.be/pWp\\_RqXckE4](https://youtu.be/pWp_RqXckE4)

### **WE REGRET THE DEATH OF**

On 31 December 2022, our extraordinary member, Pope Emeritus Benedict XVI passed away. He was introduced into the Academy in 1991 as Cardinal Dr. Josef Ratzinger. As Pope, he had an outstanding global political significance beyond all confessional differences. For a scientific academy like EASA, however, it must also be emphasised that Joseph Ratzinger was an outstanding acute scholar and theologian of world renown. In his spiritual testament, published by the Vatican on the evening of his death, he comments on the relationship between science and faith as well as on the development of the humanities, which was obviously a central concern of his. As an Academy, we will continue to address these questions seriously and hold our deceased honorary member in dignified remembrance.

Felix Unger, Honorary President and Klaus Mainzer, President

Requiescat in pace





Gerhard Larcher (Class VII), December 18, 2022

Joseph Ratzinger, Benedikt XVI, ordinary member, December 31, 2022

Manfred Deutsch, Founding Member (Class II), January 4, 2023

Andrej Kranjc (Class IV), January 7, 2023

Georg Daltrop (Class I), January 21, 2023

Klaus Bergdolt (Class II), February 11, 2023

Theodor Nikolaou (Class VII), February 13, 2023

Friedrich Cerha (Class III), February 14, 2023

Peter Weibel (Class III), March 1, 2023

Requiescant in pace