

## Greetings from St. Peter 05/2022

### Letter of the President

Salzburg, 13th December 2022

Dear members of the Academy,

"Zeitenwende" (Turn of the Times) is the word of the year 2022, the German Language Society announced on 8 December. The campaign regularly selects terms that, in the opinion of the jury, have had a particular linguistic impact on political, economic and social life in Germany in a given year. In the Greetings of St. Peter, the incision in politics, economy and society after 24 February of this year was mentioned many times. In addition, the pandemic continued as a permanent threat.

For many of us, therefore, the most beautiful event after the easing of the pandemic situation was certainly being able to experience events in physical presence again. The personal physical encounter, also in science, is above all.

A conference on "Tolerance and Democracy for Peace in Europe", to which the Slovenian President had invited to the Presidential Palace in Ljubljana on 1 December, was characteristic of the theme of the "turn of the times". In addition to greeting addresses from the President of the Slovenian Academy of Sciences and Arts, Prof. Dr. Stih, the Honorary President of the European Academy of Sciences and Arts, Prof. Dr. Unger, and the President of the Republic of Slovenia, Borut Pahor, there were two lectures on the topic by Prof. Dr. Krasovec, member of the Slovenian Academy of Sciences and Arts, and Prof. Dr. Klaus Mainzer, President of the European Academy of Sciences and Arts. The awarding of the Academy's Tolerance Prizes in November in Cologne was also in keeping with this theme.

In science, again, one of our members received a Nobel Prize this year. Anton Zeilinger was presented with the Nobel Prize in Physics 2022 by the King of Sweden on 10 December in Stockholm. The three Nobel Prize winners in physics this year show very well how revolutionary technology such as the quantum computer and quantum communication with revolutionary consequences for human civilisation can arise from basic research with philosophical depth (e.g. the question of the concept of causality and reality in physics). In November, on the occasion of the award of the Heisenberg Medal to Zeilinger in Munich, I had the opportunity to discuss this with him in a public panel discussion. In the summer of 2021, we had already organised an online workshop on "Trends of Quantum Technology" at the Academy.

With a view to the energy and infrastructure crisis in Europe, what is actually needed is a "Zeitenwende" (Turn of the Times) of sustainable innovations with respect to the climate and environmental catastrophe of our civilisation. Therefore, in this presidency, three expert groups on these issues have been set up and their work has been constantly reported in Greetings from St. Peter. At the last Senate meeting this year, the white papers of the three expert groups on "Digitalisation, Artificial Intelligence and its Societal Impact", "Environment, Climate, and Energy" and "Innovation, Research, and Education" were adopted as official Academy Papers on these topics and syndicated for publication in our new online journal PEASA. The white papers will be presented by the working group coordinators at a workshop on the afternoon of Friday 14 April prior to the General Assembly and the Fest plenary on the morning of Saturday 15 April.

In keeping with these themes, the keynote speech "Human Rights in the Age of Digitalization" on 15 April will be given by Professor of European Law, Prof. Dr. Verica Trstenjak, former Advocate General at the Court of Justice of the EU and former judge at the EU Court of Justice.

It is equally fitting that at the last Senate meeting it was decided to honour Dr. Ing. h.c. Ulrich Kubinger the dignity of Honorary Senator of the European Academy of Sciences and Arts in recognition of his services to the environment, sustainability and water purification through modern nanotechnology. Mr Kubinger had already supported the Paul Crutzen Medal last year, which is awarded every two years by the Academy for outstanding services to the environment, climate and sustainability in science and society.

For our ongoing events, as usual, I ask you to follow the announcements on the Academy's website. As the year draws to a close, I wish all our members, friends and supporters of the Academy a blessed Christmas season and a healthy and happy New Year 2023.



President

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

##### **Class II:**

Prof. Dr. Igor Rudan, University of Edinburgh, UK

Univ.-Prof. Dr. Eva Schernhammer, Medical University of Vienna, Austria

##### **Class IV:**

Univ.-Prof.-Dr. Markus Arndt, University of Vienna, Austria

Prof. Dr. Pavel Etingof, Massachusetts Institute of Technology, USA

Prof.em. Yi Pan, Georgia State University, USA

##### **Class V:**

Prof. Stjepan Oreskovic, Adrija Stampar School of Public Health, Croatia

Prof. Kemal Yildirim, European School of Law and Governance, Kosovo

##### **Class VI:**

Prof. Csaba Gyuricza, Hungarian University of Agricultural and Life Sciences, Hungary

Dr. Jürgen Kosel, Silicon Austria Labs, Austria

Prof. Xinyu Liu, University of Toronto, Canada

Prof. Dr.-Ing. Timon Rabzuk, Institute of Structural Mechanics, Germany

Univ.-Prof. Dr. Dr. h. c. Michael Wagner, University of Vienna, Austria

Prof. Jin Wang, Liverpool John Moores University, UK

##### **Class VII:**

Prof. Dr. Jutta Jokiranta, University of Helsinki, Finland

## **SCHEDULE/EVENTS**

### **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>

### **Festive Plenary 2023, Inauguration of New Members**

April 15, Great Assembly Hall of the University of Salzburg

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

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 Art Meets Science and Science meets Art, Winter Semester 2022/2023**

start October 21 till January 27, always at 6 p.m. till 7.30, Zoom Colloquium,

Organisation Committee: Violeta Dinescu, Class III, EASA and Ioannis Liritzis, Class IV, EASA

Program: [https://www.euro-](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Programm%20WS%202022)

[acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Programm%20WS%202022](https://www.euro-acad.eu/CMS/tinyMCE/js/tinyMCE/plugins/filemanager/source/Dateien/Programm%20WS%202022)  
[2023.pdf; https://euro-acad.eu/events?id=140](https://euro-acad.eu/events?id=140)

### **19th Christmas Symposium of Physicists, dedicated to the 80th Birthday of Professor Giulio Casati**

December 15 -17, 2022, University of Maribor, Slovenia, Marko Robnik, Class IV, Director CAMPT

under the patronage of EASA: Greetings and Opening Lecture: Klaus Mainzer, President EASA

<https://euro-acad.eu/events?id=149>

### **acatech-Themenkonferenz zu Safety und Security**

December 6, 2022, Impulse lecture Safety and security in virtual space: We need responsible AI!

Klaus Mainzer, Technical University of Munich, President EASA (in German language)

<https://euro-acad.eu/events?id=151>

### **19th European Angiology Days**

December 2-4, under the patronage of Dusan Suput, Dean EASA, Class II, Welcome Speech Klaus

Mainzer, President EASA, Speeches of Gerit-Holger Scherthner (Class II) and Mariella Catalano (II),

Web LIVE Milano: <https://europeanangiologymdays.net/registration-page/>

## RECEIVED PRINT AND ONLINE PUBLICATIONS

**Klaus Mainzer**, *The Little Book of Time*, Springer New York; Softcover reprint of hardcover 1st ed. 2002 edition (19 Feb. 2010), 2012. German Edition (5th Edition 2005), Korean Edition (2005), now published in Teheran in persian translation: [www.iiketab.com](http://www.iiketab.com), 2022.

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

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

*Costas Demetzos, Panagiotis Vlamos and Dimitrios Vlachakis*

Published On: October 7th, 2022

Categories: Academic Engagement, Perspectives

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

*Markus Vogt*

Published On: October 13th, 2022

Categories: Academic Engagement, Humanities, World Religions

**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

Categories: All, Policy Roadmap

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

*Riccardo Pozzo*

Published On: October 20th, 2022

Categories: Articles by Topic, Book Reviews, Natural Sciences, Technical & Environmental Sciences

**On A Mathematical Theory Of Sustainability Assessment**

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

Published On: November 4th, 2022

Categories: Original Research, Technical & Environmental Sciences

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

*Niki Evelpidou, Maria Tzouxanioti and Alexandros Liaskos*

Published On: November 9th, 2022

Categories: Natural Sciences, Reviews

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

*Riccardo Pozzo*

Published On: November 11th, 2022

Categories: Articles by Topic, Book Reviews, Humanities

**Some fascinating Developments in Mathematics and Music**

*Emmanuel Amiot*

Published On: November 30th, 2022

Categories: Arts, Natural Sciences, Reviews

You are welcome to submit articles, please contact Doris Klinda at: [peasa@euro-acad.eu](mailto:peasa@euro-acad.eu)

**Karl Josef Kuschel**, *Die Bibel im Koran*, Grundlagen für das Interreligiöse Gespräch, Patmos Verlag, September 2022

## **BIRTHDAYS**

45

Jiaxing Huang , Jeton Kelmendi

50

Zekirija Sejdini, Bert Sels, Niko Kohls, Ari Ofengenden, Benno Torgler, Wojciech Franus

55

Yan Li, Octavia A.Dobre, Wolfango Plastino, Abt Johannes Schaber, Yonghui Song, Jetta Frost, Clemens Fuest, Marc-Thorsten Hütt

60

Christoph Marksches, Markus Krall, Quang Minh Pham, Renato Gatto, Markus Vogt, Miodrag Simović, Olga Pechánová, Alan Willner, Svebor Sečak, David Allison, Michael Cosmopoulos, Atilla Kiss-B., Anita Rieder, Verica Trstenjak, Christiane Woopen, Maurizio Martino, Bert Müller, Jörg Rüpke

65

Marina Deljanin Ilić, Otto Dapunt, Dirk Inzé, Wolfgang Ketterle, Radko Komadina, Horacio Dante Espinosa, Ron Najafi, Günter Schiepek, Chuanzeng Zhang, David Bogle, Richard Greil, Hong Fan

70

Dumitru-Dorin Prunariu, Ramaz Shengelia, Ferenc Horkay, Urszula Narkiewicz, Shailendra Vyakarnam, Jef Diels, Andrew Hamilton, Veton I.Hoxha, Hermann Beyeler, Karol Mičieta, Hagen Henry, Nada Kakabadse, Stefan Karner, Rudolf W.Strohmeier

75

Aaron Ciechanover, Cesare Silvi, Alexander Pereira, Thomas Mooren, Jean-Mathias Goerens, Mihail C.Roco, Mikhail Ugryumov, Michael von Hauff, Franjo Štiblar, Wolfgang Graninger, Klaus Bergdolt, Erwin Ortner, Nissho Takeuchi, Richard Overy, Gerhard Müller

80

Blanka Říhová, Joan Albaigés Riera, Maria Angeles Duran Heras, Reinhard Fatke, Angelos Halaris, Susanne Suter, Alexey Solovev, Günter Gorschenek, Giulio Casati, Lyda Matisová-Rychlá, Wolf D.Prix, Wulf-Uwe an der Heiden

85

Árpád Balázs, Erich Kopp, Roland Berger, Giuseppe D'Ascenzo, Dennis V.Cokkinos, Zdeněk Pavel Bažant, Matija Gogala, Shams Anwari-Alhosseyni, John Katsikadelis

90

Manfred Max-Neef, Oleg D.Protsenko, Peter Fischer-Appelt, François Englert, Roland Zdeněk Bulirsch, Hubert Braun, Shlomo Avineri, Stanislaw Olszewski, Vladimir Ivanov-Omskii, Dirk van Dalen, Josef Bugl

## **WE CONGRATULATE**

**Anton Zeilinger (Class IV)** to the Nobel Prize in Physics *“for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science”*

On November 25, the University of Basel awarded an honorary doctorate to Professor of Clinical Psychology in Psychiatry **Claudi Bockting (Class II)** “for her contributions to psychology in research and teaching.”

## **WE REGRET THE DEATH OF**

Daniel Rukavina (Class II), January 31, 2022

Roland Zdeněk Bulirsch (Class IV), September 21, 2022

Michael Hampe (Class III), November 18, 2022

Konrad Meßmer (Class II), December 2, 2022

### **Obituary by Prof. Dinescu on the passing of Prof. Hampe**

Michael Hampe, musician, actor, teacher, director and last but not least a very successful artistic director has left us. His complex personality inspired many generations of students, colleagues and artists. He succeeded like no other in leading in such a way that one could discover one's inner voice, a kind of decision-making competence, through his guidance, so that one could naturally find the path to choose in order to bring the plan to a successful conclusion. I met Michael Hampe many years ago and had the opportunity to follow his intensive work. I was always impressed by his generous attitude, deep thinking and great artistic sensibility. Prof. Michael Hampe was the first speaker in our EASA Class III meets Class IV colloquium series. ART MEETS SCIENCE SCIENCE MEETS ART with the topic: Does opera have a future? With this question, to which he himself sought an answer, he succeeded on the one hand in essentialising his own experience and memory after a lifetime of intensive creative work, and on the other hand in drawing from it an understanding of a future that is of great importance in our time of unexpected changes and fluctuations.

Michael Hampe knew he was leaving us. With his dignified, balanced, confident and warm-hearted manner, he gave us hope and joy to continue searching for answers.

Michael Hampe will remain in our memories.

In silent remembrance

Violeta Dinescu

### **Obituary by Honorary President Felix Unger on the passing of Konrad Meßmer**

It is with deep sadness that we announce the passing of Prof. Meßmer. Prof. Meßmer has been a member of the Academy since its inception and was Dean of Class II for many years, where he actively contributed to the development of the Academy. His farsightedness and commitment were exemplary.

We will miss him very much, our sympathy goes to his wife Maria.

Felix Unger

Requiescant in pace