



JANUARY 2024

2023 ANNUAL REPORT

PRESENTED BY
EurASc Presidium



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01

**PRESIDIUM
& EXECUTIVE COMMITTEE
REPORT**

2023



EUROPEAN ACADEMY OF SCIENCES

PRESIDIUM AND EXECUTIVE COMMITTEE

2023 Activities Report

In 2023, the Academy witnessed significant developments, addressing various key aspects. These include the reevaluation of the role of our Perpetual Secretary, Professor H el ene de Rhode, the management of our secretariat in light of Kim's absence due to illness, and the imperative to revise our Statutes to better align with our current needs and regulations. Additionally, our involvement in supporting the EurASc symposium in Madrid, hosted by the Real Academia de Ciencias Exactas, F isicas y Naturales de Espa a, in October 2023, stands out as a remarkable achievement. This success can be attributed to the exceptional efforts of our colleague Miguel  . Alario-Franco, whose dedication we wholeheartedly commend. Furthermore, we extend our appreciation to our Spanish counterparts, particularly recognizing the contributions of Natividad Carpintero-Santamaria.

Due to unforeseen circumstances, the activity of our Perpetual Secretary has experienced a slowdown. Additionally, with Kim's departure due to health reasons, it has become imperative for us to promptly address pressing issues, particularly in terms of communication with our fellows, the nomination of new members, the management of EurASc initiatives, including our website, and the handling of our financial matters, including membership fees collection. Furthermore, there is a necessity to review and update our database pertaining to our fellows. To address the challenges surrounding our secretariat, we have dispatched Sara Oliveira and Luis Milhano to Li ge, and we have formally hired them to manage our secretarial and financial affairs. This decision has marked a significant and positive change in the support provided to the Academy.

Regarding Kim's prolonged sick leave, it has been clarified with Prof. H el ene Rode that her assistance is no longer required. However, further clarification on this matter is necessary.

Furthermore, we have scheduled the year with several executive and presidium meetings to address the current state of the Academy and to discuss the revision of our Statutes, which will be presented this year.

In addition to these internal matters, we have been actively engaged in supporting initiatives that advance the cause of science, whether they originate from our own divisions or other academies. Notably, the EurASc - Chinese Academy of Sciences meeting organized in September, under the guidance of our esteemed colleague Professor Alan Lau, was a resounding success. Furthermore, we commend the initiative led by Professor Quan Li in Nanjing, China, where he assumed the role of editor-in-chief for the newly launched journal by Wiley, titled Responsible Electronics.

Additionally, we have been in deliberation regarding the potential for EurASc to become a member of the International Science Council.

Furthermore, we have cast our vote in favor of hosting the next EurASc 2024 event in Lisbon. This event will be coordinated by our esteemed colleague Armando Pombeiro and will take place at the Lisbon Academy of Sciences in October 2024.

Additionally,, we would like to note that attached herewith are the activity reports from all divisions, along with the administrative report and the report on the Madrid event.

This is aimed at providing transparency of information to all members.

April 2nd, 2024

Rodrigo Martins
EurASc President

Alain Tressaud
EurASc Vice-President



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CHEMISTRY DIVISION
REPORT

2023

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REPORT OF ACTIVITIES 2022-2023

Chemical Sciences Division

In 2022, the Awards Ceremony of EurASc was combined with a very interesting Symposium, entitled “The future of science: the EurASc vision”. This event took place in Brussels Oct. 24-25, 2022, in the beautiful premises of the Fondation Universitaire. The Divisions were asked to give their views on the future of their field and the current challenges to be faced. For Chemistry, this was done by Pierre Braunstein, Head of the Division. This meeting also provided an opportunity to congratulate recent winners of the Blaise Pascal Medal, Prof. Manfred Reetz, Max-Planck Institute Mülheim (Germany) for 2020, Prof. Clément Sanchez, Collège de France Paris, for 2021, since meetings could not take place during the COVID pandemic, and also the 2022 laureate, Prof. Gary J. Schrobilgen, Mc Master University (Canada) who gave a superb lecture about his very challenging “Chemistry at the Edge of the Periodic Table”. This meeting also provided an opportunity to congratulate Prof. Helmut Schwarz, University of Berlin (Germany), and acknowledge his impressive contributions to chemistry, as a pioneer in research and education, and his major role as a science ambassador worldwide, who had been awarded the Leonardo da Vinci Award 2021.

Various members of our Division were present at this meeting, including from outside Europe.

In 2023, the [EurASc Annual Symposium and Awards Ceremony](#) took place in Madrid, Spain, October 23rd-24th, by invitation of the Real Academia de Ciencias Exactas, Físicas y Naturales de España, with the topic “**Science Multidisciplinarity in the 21st Century: The future of energy**”.

This event provided an ideal opportunity for scientists, researchers, engineers, and companies/institutions to share their latest achievements and opinions in the field

of energy. Although the Head and Officers of the Chemistry Division could unfortunately not attend the meeting owing to conflicts of agendas, Chemistry was strongly represented by distinguished colleagues who gave excellent and inspiring lectures: **Matthias Drieß** (TU Berlin, Germany) *“Tackling Chemistry More Green and Electric”*, **Claude Grison** (CNRS, France) (by zoom) *“Ecocatalysis and Nature: symbiosis for future”* and **Armando Pombeiro** (IST-UL, Portugal) : *“Shift of Alkanes from Fuels to Feedstocks for Organic Synthesis: a Proof of Concept towards Sustainability”*.

A Workshop on **“Advanced Materials and their Applications”**, co-organized by the International Cooperation and Exchange Department of Zhengzhou University of Light Industry (ZZULI), the Technological and Higher Education Institute of Hong Kong (THEi) and the European Academy of Science (EurASc), was held on 23-25 September 2023 in Henan (Zhengzhou), China. Professor Alan Kin Tak LAU , Fellow of the European Academy of Sciences and President of the Technological and Higher Education of Hong Kong played an instrumental role in the success of this event. Both the hospitality and scientific programme were outstanding. On this occasion, Pierre Braunstein presented a lecture entitled « Metal – Ligand Cooperativity in Molecular Chemistry and Applications in Materials Sciences »

During these two years, a total of 25 new members from 16 different countries, were elected in the Chemistry Division, illustrating an impressive scientific and geographic diversity:

Carlos A. M. Afonso is full professor at the Faculty of Pharmacy of the University of Lisbon (Portugal), and has interests in catalyzed synthetic methods, bioactive molecules, enzymatic reactions, and green/sustainable chemistry ;

Khalil Amine is Argonne distinguished Fellow and Director of the Advanced Lithium Battery Technology Program at Argonne National Laboratory, USA ;

Valentine P. Ananikov is Professor of Chemistry Department of Moscow State University, where he works in catalysis, nanochemistry, and reaction mechanisms;

Anne-Marie Caminade is Research Director in the CNRS where she works on dendrimers and their diverse applications, including in biology, organic chemistry, catalysis and material sciences ;

Angela Casini holds the Chair for Medicinal and Bioinorganic Chemistry at the School of Natural Sciences of the Technische Universität München (Germany);

Luisa de Cola is Professor at the University of Milano and expert in supramolecular and materials chemistry and their applications ;

Sheng Dai is Professor of chemistry and Corporate Fellow at the University of Tennessee, USA, and is recognized for his work on ionic liquids, molten salts, porous materials, and carbon materials for separation science, energy storage, catalysis, and other energy-related applications.

Mara Freire is a Research Coordinator of the group *Biomedical and Biomimetic Materials*, at CICECO-Aveiro Institute of Materials, University of Aveiro, Portugal.

Matthew Fuchter is professor of chemistry at Imperial College London has made major contributions to the fields of chemical biology and functional materials;

Ryan Gilmour is professor at the Westfälische Wilhelms-Universität, Münster, Germany, is expert in physical organic chemistry, organic synthesis, and chemical biology;

Abhik Ghosh is Professor at the Department of Chemistry and Arctic Center for Sustainable Energy Coordinator, The Arctic University of Norway, N-9037 Tromsø, Norway;

Zeev Gross, professor at the Technion – Israel Institute of Technology, Haifa, has made key contributions in the field of porphyrinoids;

Magdolna Hargittai is a research professor of structural chemistry at the Department of Inorganic and Analytical Chemistry, Budapest University of Technology and Economics;

Donglin Jiang is Strategy Hiring University Professor at the National University of Singapore. and works in diverse areas of polymer chemistry;

Jörg Libuda is Chair Professor and Head of the Erlangen Center for Interface Research and Catalysis ;

Wenbin Lin, James Frank Professor of Chemistry at the University of Chicago (USA) has made pioneering contributions to the fields of molecular materials for sustainable catalysis, renewable solar energy, and human health ;

Martin Malmsten is professor at the University of Copenhagen, Department of Pharmacy, and specialist of biopharmaceuticals, biophysics and drug delivery;

John Nitschke, Full Professor of Chemistry at the University of Cambridge, is a specialist in coordination and supramolecular chemistry;

Pedro J. Perez is Professor at the University of Huelva (Spain) and has developed catalyts for the valorisation of raw materials, including alkanes ;

Gill Reid is Professor at Southampton University, UK is an inorganic and coordination chemist ;

Günther Rupprechter is Professor of Surface and Interface Chemistry at the TU Vienna and Head of the Institute of Materials Chemistry;

Armido Studer, Professor at the Organisch-Chemisches Institut of the University of Münster (Germany) has made major contributions in organic radical chemistry and on C-H (hetero)arene functionalization;

Christoph Weder is professor at the University of Fribourg, Fribourg (Switzerland) and expert in the area of stimuli- and mechanoresponsive materials, in particular polymers;

Wai-Yeung (Raymond) Wong, Chair Professor and Dean of the Faculty of Sciences at the The Hong Kong Polytechnic University, has made major contributions in the study of organometallic optoelectronic polymers and molecules, with applications in energy-generating (solar cells) and energy-saving (OLEDs) processes;

Jieping Zhu is professor at the Swiss Federal Institute of Technology and has made major contributions to organic chemistry and natural products synthesis.

We are delighted to congratulate these colleagues for their election and welcome them very warmly, looking forward to develop stronger links with them, in particular on the occasion of our meetings.

Pierre Braunstein
Head of the Chemistry Division



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**COMPUTATIONAL &
INFORMATION SCIENCES
DIVISION **REPORT****

2023

Annual Report of the Computational and Information Sciences Division of EurASc

The Computational and Information Sciences Division is one of the smaller divisions of EurASc. The officers of the Division are: Prof. Endre Süli (University of Oxford, Head of Division), Prof. Alfio Quarteroni (EPFL, Lausanne), Prof. Michael Griebel (University of Bonn), Prof. Carl K. Chang (Iowa State University), and Prof. Barbara Wohlmuth (Technical University of Munich).

During 2023 one outstanding candidate, Professor Jan Hesthaven, Professor of Mathematics and Provost at the Ecole Polytechnique Fédérale de Lausanne (EPFL), was elected as a new Fellow of EurASc in the Computational and Information Sciences Division.

The officers of the Computational and Information Sciences Division received a number of additional nominations during 2023 for election to EurASc. Several of these concerned non-European individuals based in institutions outside Europe. Because the membership of the Computational and Information Sciences Division has not yet reached the Academy's threshold of "minimum 80% Europeans in each Division", those nominations could not be considered further. The officers also received several nominations of individuals for election as Fellow of EurASc as well as a single nomination for the Blaise Pascal Medal of EurASc, but none of these were rated strong enough by the Officers of the Computational and Information Sciences Division to merit further consideration, and were therefore rejected without passing them on to heads of divisions and members of the Presidium for a vote.

In his capacity as Head of the Computational and Information Sciences Division, Endre Süli attended the Annual General Meeting and Awards Ceremony of EurASc held in Brussels on 24 and 25 October 2022 and gave a presentation of the activities of the Division during the calendar year 2022.

Oxford, 18 November 2023



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**EARTH &
ENVIRONMENTAL
SCIENCES DIVISION
REPORT**

2023

Report for the European Academy of Sciences 2023

The Division of Earth and Environmental Sciences of the Academy

The Division of Earth and Environmental Sciences of the Academy is by nature and definition multi-disciplinary and not pegged to any particular discipline, but incorporates several strands of scientific enquiry and inquiry. This was my conclusion on the train coming back from the excellent European Academy of Sciences Annual Meeting held in Madrid in October at the Spanish Science Academy.

The profiles of the nine persons elected to the Division in 2023 reflect the full pallet of inter-disciplinary science. Our Division is growing – we now have 59 Fellows and I would like to raise this to 80- 90 over the next year or so. For historical reasons we are very well represented in Ocean science but less so in Earth science and I would like this theme to have a higher profile in our Division. Please look at the EurASc website (www.eurasc.eu) in the next few days to see some of our activities, including the meeting in Madrid.

New Fellows elected to the Division in 2023 are:

Professor **Laura Airoidi**, Professor Chair in Ecology at the University of Padova and Deputy Director of the Chioggia Marine Centre of the University of Padova Italy.

Professor **Almut Arneht**, Institute of Meteorology and Climate Research (IMK)/Atmospheric Environmental Research, Karlsruhe Institute of Technology (KIT), Garmisch-Partenkirchen, Germany.

Professor **Paola Cessi**, Scripps Institution of Oceanography, University of California, San Diego USA.

Professor **Veronique Dehant**, Head of the Operational Directorate of the Royal Observatory of Belgium, Université Catholique de Louvain, Belgium.

Professor **Jian Lin** Woods Hole Oceanographic Institution, USA and Southern University of Science and Technology, China. (Foreign Fellow).

Professor **Lixin Wu**, Qingdao National Laboratory for Marine Science and Technology, China (Foreign Fellow).

Professor **Isabel Sousa Pinto**, Department of Biology, University of Porto, Portugal.

Professor **Soroosh Sorooshian**, Center for Hydrometeorology and Remote Sensing, University of California, Irvine, USA (Foreign Fellow).

Professor **Sabrina Speich**, Physical Oceanography and Climate Sciences, Ecole Normale Supérieure, France.

We offer hearty congratulations to these esteemed new colleagues.

Our Division has such an enormous role to play in the big existential questions of the 21st century – *ie* the impacts of, adaptation to and mitigation of global heating, the health of the oceans, the pandemics of the past years, food security, biodiversity. I ask Fellows to send me short abstracts of any papers that they are writing. As a kick-off – I am currently developing a paper with the title of ‘The Eight Heresies of the 21st Century’, which includes a piece of my own collage art and is very multi-disciplinary, by definition.

Professor Dr John R Porter
Head of Division.



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ENGINEERING DIVISION
REPORT

2023

Annual Report of the EurASc Engineering Division

Giuseppe Lacidogna report for the Engineering Division.

The Head of the Engineering Division, Prof. Alberto Carpinteri, gave up his position due to new commitments. For this reason, starting from September 2023, Prof. Giuseppe Lacidogna (Politecnico di Torino, Italy) has been appointed "ad interim" as the new Head of the Division.

The officers of the Division are: Prof. Philippe Dubois (University of Mons, UMONS, Belgium), Prof. Dimitrios Aggelis (Vrije Universiteit Brussel, Belgium), Prof. Mauro Ferrari (University of Washington, USA).

During the activities carried out in 2023, Prof. Junuthula N. Reddy was awarded by the Leonardo da Vinci Award 2023. He was nominated by Prof. Marco Amabili. Prof. Reddy participated in the Symposium and the Ceremony of Awards and his lecture was entitled: "Computational Mechanics: The Third Pillar of Scientific Investigation".

During the Ceremony held on October, 24, 2023 in the Real Academia de Ciencias Exactas, Físicas y Naturales de España, he was presented by Rodrigo Martins, EurASc President, and Alain Tressaud Vice-President.

Moreover, Prof. George Z. Voyiadjis has been awarded the Blaise Pascal Medal 2023. He was nominated by Prof. Alberto Carpinteri. Prof. Voyiadjis participated in the Symposium and the Ceremony of Awards and his lecture was entitled: "A Physics-based Crystal Plasticity Model with Applications in Simulation of Micropillar Compression and Strengthening Effect of Multilayered Copper-graphene Nanocomposites".

During the Ceremony held on October, 24, 2023 in the Real Academia de Ciencias Exactas, Físicas y Naturales de España, he was presented by Giuseppe Lacidogna, Head of Engineering Division.

In the same year 2023, two new Fellows were elected in the EurASc Engineering Division:

- Prof. René de Borst, who has been nominated by Prof. Jianfu Shao (University of Lille);
- Prof. Shuai Li, who has been nominated by Prof. Alberto Carpinteri.

In 2023, the Head and officers of the Engineering Division have received extra nominations for becoming a Fellow of EurASc. Some of these nominations were for individuals who are not from Europe or are affiliated with institutions outside of Europe. However, since the Engineering Division currently does not meet the Academy's requirement of having a minimum of 80% Europeans in each Division, these nominations were not immediately reviewed. They may be taken into consideration for next year.

Moreover, to improve teamwork and the sharing of ideas among EurASc Engineering Division members and international scholars, it would be very advantageous for the upcoming year to suggest topics on advanced engineering and urge the Engineering Division fellows to actively participate in the symposiums organized by EurASc. For instance, the Annual Symposium in October 2024, to be held at the Academy of Sciences in Lisbon, will be a great opportunity to meet.

Torino, December 24, 2023



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MATERIALS SCIENCE
DIVISION REPORT

2023

Report for the year 2023

Materials Science Division, European Academy of Sciences

Events

Finally, after almost three years of remote / online events, in 2023 resumed more or less normal in person activities. This newly reconquered freedom allowed us to organize and participate in a number of events that had been on hiatus since the start of the pandemic in the first quarter of 2020.

As highlighted by other colleagues, a major event which witnessed a significant participation from Members of our Academy was the “Advanced Material and Intelligent Manufacturing Forum”, held at Zhengzhou University of Light Industry and jointly organized by EURASC. I had the honour of attending this event, held last September in Zhengzhou, Henan province, China, also giving a lecture entitled “Multifunctional Materials for Emerging Technologies”. The Forum provided a venue to discuss major societal challenges and opportunities to collaborate between Members of EURASC on one side and Chinese scholars on the other. Among high level participants, there were presentations from Members of the Chinese Academy of Sciences and the Chinese Academy of Engineering. Most of the credit goes to Academician / Professor Alan Lau for ensuring a smooth and well-organized event.

More information about this event can be found here:

<https://www.eurasc.eu/first-international-forum-on-advanced-materials-and-intelligent-manufacturing/>

and here:

<https://www.eurasc.eu/high-level-scientific-forum-on-advanced-materials-and-intelligent-manufacturing/>

Blaise Pascal Medal in Materials Science

Professor George Malliaras from the University of Cambridge is this year's laureate of the Blaise Pascal Medal in Materials Science. Professor Malliaras is a pioneer in organic and bio-organic electronics.

The complete citation can be found here:

<https://www.eurasc.eu/leonardo-da-vinci-award-blaise-pascal-medallists-2023/>

New Members of the Division of Materials Science

The Division now has a total of almost 120 Members (including four who are deceased). The newly elected Members in 2023 are:

Sara Bals, University of Antwerp, Belgium;

Mischa Bonn, Max Planck Institute for Polymer Research, Mainz, Germany;

Rainer Haag, Free University Berlin, Germany;

George Malliaras, University of Cambridge, UK;

Nathalie Stingelin, Georgia Institute of Technology, USA;

Zhongchang Wang, International Iberian Nanotechnology Laboratory, Portugal.

Xiao-Yu Yang, Heinrich-Heine-Universität Düsseldorf, Germany;

These new members, in addition to their outstanding accomplishments, also bring substantial geographical and scientific diversity to our Division, and by extension, to the whole academy.

Our Division has been receiving a disproportionately high number of nominations of non-European candidates. Due to the membership ratio (maximum 20% of Members can be non-European), we have not been able to process most of these nominations and there is in fact a long waiting list already in place. The newly established rule stipulating that non-European Members should show significant activities in Europe and with European colleagues is also quite stringent and likely to filter numerous candidates. Statistically, most of these candidates are either Chinese scholars based in China, or Chinese scholars living elsewhere (but not in Europe). I mention this to caution our Members in relation to nominating non-European candidates: it is wise to first double check whether the current “quota” allows their nominees to be considered for election.

I would also like to remind Members that the overarching criterion for election is international recognition. Many candidates are very successful scientists, with high numbers of publications in top journals, substantial citations, significant funding etc. However, if their work has not been independently recognized internationally, making a strong case for election will be very difficult.



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MATHEMATICS DIVISION
REPORT

2023

Report for the European Academy of Sciences 2023

The Division of Mathematics of the Academy

The Division of Mathematics of the Academy comprises all pure and applied mathematics areas and it has replaced this year its full team of officers. We have received this year a substantial small number of nominations than previous years that we hope to revert in the next years. The new team of officers will certainly contribute to improving this. My term as head of the Division has come to an end and there will be elections for the head of the Division in 2024.

The profiles of the three persons elected to the Division in 2023 include the present president of the European Mathematical Society, a first-notch researcher in Statistical Sciences and a fields medalist in 2022. We also awarded a Blaise Pascal Medal this year. Our Division is slightly growing – we now have 115 Fellows and we would like to raise this to 130 over the next 3 years or so. For historical reasons we are very well represented in Applied Mathematics but less so in Pure Mathematics areas and we would like this to change in our Division to keep a healthier balance.

New Fellows elected to the Division in 2023 are:

Sara van de Geer, ETH Zürich, Switzerland.

Jan Philip Solovej, University of Copenhagen, Denmark.

Hugo Duminil-Copin, Université de Genève, Switzerland.

The Blaise Pascal Medal in Mathematics was awarded to:

Athanasios Fokas, University of Cambridge, UK.

We extend our warmest congratulations to these esteemed new colleagues and awardees.

Our division has a central role in the development of sciences in the next years with mathematical modelling in biology, physics and social sciences, the foundations of artificial intelligence, and data science as some of the highlights of our division. Mathematics is permeating all aspects of everyday life using more and deeper concepts ranging from the purest to the most applied mathematical subfields.

Professor Dr Jose A. Carrillo
Head of Division.



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**MEDICINE AND LIFE
SCIENCES DIVISION
REPORT**

2023

Report 2023 EURASC Medicine and Life Sciences Division
Daniel Scherman, Head of Medicine and Life Sciences Division:

The Eurasc Medicine and Life Sciences Division has been actively involved in the “Advanced Material and Intelligent Manufacturing Forum”, a joint manifestation between Zhengzhou University of Light Industry and EURASC.

Prof Daniel Scherman, Head of the Division gave a lecture on the following topics:

- Transformed Biomaterials: Cyclodextrins and Genetic modification of plants (Biofuel, Medicinal drug production)
- New Biomaterials not present in nature: nanoparticles for drug delivery, for bioimaging, and for genetic drugs and vaccines.

Thus, the Division has addressed the great perspectives opened by the recent groundbreaking pharmacological revolutions, such as the use of small interfering RNAs.



In 2023, the Blaise Pascal medal has been attributed by the Division to Prof. Patrick Couvreur, for his remarkable contributions to the field of biomaterial sciences in the domains of pharmacology, polymer synthesis, physical chemistry of materials, nanotechnology, and pharmaceutical engineering. Prof. Couvreur is mostly known for his outstanding and pioneering contributions on biodegradable nanoparticles in the area of cancer chemotherapy.



Professor Llorens Cortes, who has been elected in 2021, has received the 2023 Medal for the Application of Sciences of the French Academy of Sciences.

The Division has been active in recruiting several members who will strengthen it coverage of the fields of :cell biology, neuroscience, plant science and engineering, and biological drug products:



Professor Nektarios TAVERNAKIS is Chairman of the Board of Directors at the Foundation for Research and Technology-Hellas (FORTH), Research Director at the Institute of Molecular Biology and Biotechnology (IMBB), and Professor of Molecular Systems Biology at the Medical School of the University of Crete, in Heraklion, Greece. Professor Tavernakis reinforces our competence in cell biology and neurosciences.



Professor KEXUAN Tang is Distinguished Professor, Director of Plant Biotechnology Research Center, Director of Fudan-SJTU-Nottingham Plant Biotechnology R&D) and Vice Chairman of the Division of Ornamental Plants of the International Society for Horticultural Science



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PHYSICS DIVISION
REPORT

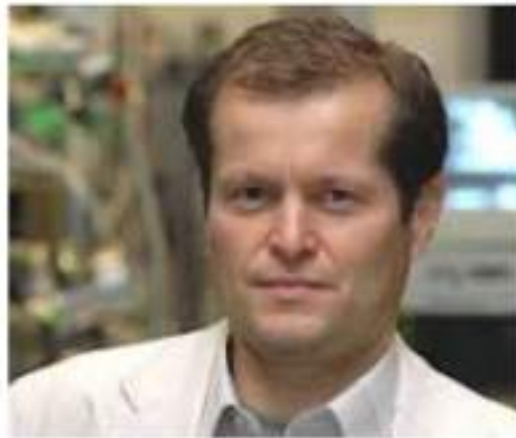
2023

The year 2023 has been an exceptional year for the Physics Division of EURASC.

Professor Anne L’Huillier (Lund University) and **Professor Ferenc Krausz** (Max Planck Institute for Quantum Physics, Munich), two of our distinguished fellows, have shared the 2023 Nobel Prize in Physics with Pierre Agostini (Ohio State University) with the following citation from the Royal Swedish Academy of Sciences: “for experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter.”

Their work started with the new, unexpected and unpredicted discovery that an intense laser interacting with a gas of atoms produces high-order harmonics of the laser, that could lead to extremely short light pulses, in the attosecond range.

This opened the way to attosecond physics and attosecond chemistry allowing to explore sub-atomic motions and to study the ultrafast dynamics of electrons inside atoms and molecules.



Professor Tünde Fülöp (Chalmers University of Technology, Sweden) received the 2024 EPS Hannes Alfvén Prize together with Professor Per Helander (Max Planck Institute for Plasma Physics, Greifswald, Germany) for their outstanding contributions to theoretical plasma physics, yielding groundbreaking results that significantly impact the understanding and optimization of magnetically confined fusion plasmas.



Professor Tünde Fülöp is a world recognized expert in the field of disruptions and relativistic “runaway” electrons associated with these events. She has explored the physics of runaway electrons in tokamaks and beyond, and conducted unprecedented modelling efforts applicable to existing experiments and of relevance for future devices.

Professor Paris Spiccas (NKU Athens and CERN) was elected as next Chair of ECFA — the European Committee for Future Accelerators leadership of ECFA’s activities over the coming three years (2024-2026). The primary charge of ECFA is the long-range planning of European high-energy facilities – accelerators, large-scale facilities and equipment – adequate for the



conduct of a valid high-energy research programme... matched to the size of this community and to the resources which can be put at the disposal of high-energy physics by society. A particular goal of the next three years will be the preparation of the next European Strategy for Particle Physics process.”

Professor Riccardo Betti (University of Rochester) has been awarded the 2023 Blaise Pascal medal in the Physics Division for his outstanding contributions to high temperature plasma physics with applications to nuclear fusion and for the development of the novel “shock ignition” approach to direct-drive inertial confinement fusion. Considered as one of the most prominent protagonists in the international arena related to the study of the physics of laser produced plasmas and inertial confinement, he has delighted the audience of the last EURASC Annual Symposium in Madrid on October 23-24 with a brilliant talk on the recent demonstration at the National Ignition Facility at Livermore that the 3.15 MJ energy released from the triggered nuclear fusion reactions largely exceeded the 2.05 MJ energy of the laser drive.



The Physics Division was also proud to welcome five outstanding new fellows in 2023, after a very strict selection process:

Professor Robert MINASIAN, University of Sydney, Australia

Professor Salwan K.J. AL-ANI, University of Baghdad, Iraq

Professor Yarub AL-DOURI, University of United Arab Emirates

Professor Giampiero PASSARINO, University of Torino and INFN Torino, Italy

Professor Augusto MARCELLI, Istituto Nazionale di Fisica Nucleare Roma, Italy



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**SOCIAL SCIENCES &
HUMANITIES DIVISION
REPORT**

2023

Eurasc SSH Division Report for 2023

Honors and Awards

Eberhard Knobloch (Technical University of Berlin):

Celebration of his 80th birthday by a two-day conference in Paris (6th and 7th November 2023).

Torsten Wilholt (Leibniz-University Hannover):

Bestowal of the 2023 prize for science and scholarship as awarded by the German state of Lower Saxony.

Mauro Dorato (University Roma Tre):

Principal Investigator in the research project financed by the Italian Ministry of the University and Research, *The Philosophical Reception of Quantum Theory in France and German-speaking Countries between 1925 and 1945: Conceptual Implications for the Contemporary Debate*. Prot. 20224HXFLY.

Karine Chemla (University Paris VII)

Award of the Commandino Medal, by the “Centro Interdipartimentale di Studi Urbino e la Prospettiva” and the “Centro Interuniversitario di Fondamenti della Fisica”, University of Urbino, Carlo Bo for 2022, *Lectio Commandiniana* given in 2023.

Associate Honorary Member of the Académie des sciences, belles-lettres et arts de Lyon (2023).

Fellow of the World Academy of Art and Science (WAAS) (2023).

Newly elected members

Inmaculada de Melo-Martín, Professor of Medical Ethics and Population Health Sciences at Weill Cornell Medical College in New York City. Her disciplinary background is philosophy and molecular biology, and she explores epistemic aspects and ethical challenges confronting biomedical scientific and technological developments. Her contributions to the philosophy of science mostly address what is sometimes called agnotological endeavors, that is, research that is liable to produce ignorance rather than knowledge. Her widely received book on *The Fight Against Doubt* emphasizes the lack of reliable criteria for pinpointing such misinformation beforehand and rather suggests to attend to social conditions that undermine public trust in science and pave the way to the public reception of fake research. The innovative move is to shift the debate from considering dubious epistemic practices toward highlighting social values implicit in such research and engaging with value commitments of society at large. Agnotological maneuvers can be countered by creating institutional and scientific practices that facilitate and sustain warranted trust.

Mauro Dorato, Professor of Philosophy at the University Roma Tre. His contributions chiefly address two main fields: the philosophy of physics and the relationship between science and society. In the former area, Dorato has worked on the interpretation of quantum mechanics, in particular, on how to dissolve its tension with special relativity as it appears in entanglement or the EPR-correlations. Dorato’s second area in the philosophy of physics concerns the status of laws of nature. He defends a dispositionalist account of such laws, which reconstructs laws as relations attributing, even counterfactually, characteristic features to the manifestation of suitable conditions. Regarding the relationship of science and society, Dorato has composed important studies on the interaction between epistemic values (related to truth, reliability, or understanding) and nonepistemic values (aimed at promoting the social use of knowledge). He elaborates the view that familiarity with the methodology of science is essential to empower citizens and help them decide when experts’ opinions are divided.

Kärin Nickelsen, Professor of the history of science at Ludwig-Maximilians-University Munich. Her scientific background is biology, and her area of work is the history and philosophy of science. She has pursued pioneering studies on the development and methodology of photosynthesis research. A focal point of her work is the structure and nature of interdisciplinary research. One of her main questions is, how knowledge is generated in a scientific collective. Another center of her attention is the history of long-term life support systems for space flights. The challenge is to create cycles of energy and materials in an artificial environment. She has studied steps toward closing the food-waste loop, which is still an unresolved problem.

Nikolai Spassov, Professor at the Bulgarian Academy of Sciences. He is a paleoanthropologist who has made important discoveries about the evolution of humans in Europe. His studies of fossil hominoids of Miocene involve the identification of a tooth of the last pre-human hominoid from Europe. He also participated in the study of the hominid *Graecopithecus freybergi*, which suggests that stages of evolutionary lineage of hominins took place in Europe. This conclusion is supported by the recent discovery of *Danuvius Guggenmosi* whose remains show the ability of bipedal locomotion.

Claudia Loebbecke (U. Cologne) left the Academy.

SSH-Conference

The SSH Division Committee organized a conference on “Science in the Social Area: How to Secure Public Credibility?,” at the Center for Interdisciplinary Research (ZiF), Bielefeld University on October 25-27, 2023.

The idea underlying the conference is that science has moved into the social arena and that science and society are now heavily intertwined. On the one hand, science is accredited with high trustworthiness in polls and surveys, on the other hand, scientific results on practical matters, such as nutrition, health, or the climate, are met with doubt in parts of society. Thus, with respect to some fields of knowledge and to parts of the wider audience, science suffers from a lack of public trust. In the conference, an interdisciplinary panel of speakers explored the relationship between science and society in greater depth and inquired into options for realignment.

Topics concerned the relation between science and politics and the nature of scientific policy-advice, science operating under the pressure of practice, and strategies for retaining or regaining public trust in science. Participants from the SSH Division included: Julian Reiss (JKU Linz), Hanne Andersen (U. of Copenhagen), Mauro Dorato (U. Roma Tre), Stéphanie Ruphy (ENS Paris), Torsten Wilholt (LU Hannover), Gerhard Heinzmann (U. de Lorraine) and Martin Carrier (Bielefeld U.).



11

EURASC
SYMPOSIUM & CEREMONY
REPORT

2023



EUROPEAN ACADEMY OF SCIENCES

****Report on the EurASc 2023 Symposium and Ceremony****

A Celebration of Scientific Excellence in Madrid

The EurASc 2023 Symposium and Ceremony, held in Madrid on October 23rd and 24th, was a resounding success, showcasing outstanding achievements and fostering collaboration in the scientific community. Chaired by Miguel Á. Alario-Franco, the event was marked by notable presentations, prestigious awards, and insightful discussions.

Organizing Committee's Leadership:

Led by Chairman Miguel Á. Alario-Franco, Jesús María Sanz-Serna, Rodrigo Martins, Alain Tressaud, Natividad Carpintero-Santamaría and Hélène de Rode, the Organizing Committee ensured the seamless execution of the event, creating a dynamic platform for scientific exchange and collaboration.

Scientific Insights at Real Academia de Ciencias:

The Real Academia de Ciencias Exactas, Físicas y Naturales de España provided the perfect backdrop for the symposium, emphasizing its commitment to advancing research across mathematical, physical, chemical, geological, and biological sciences.

Highlight of Invited Talks:

The Symposium featured a series of engaging talks by prominent speakers:

Catalysis in the Energy World (Presented by Alain Tressaud):

- Prof. Hermenegildo Garcia (CSIC-UPV, Spain): "Photocatalysis - Producing fuels from Sunlight"
- Matthias Driess (TU Berlin, Germany): "Tackling Chemistry More Green and Electric"
- Claude Grison (CNRS, France): "Ecocatalysis and Nature: symbiosis for future"

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Sustainability (Presented by Rodrigo Martins):

- Armando Pombeiro (IST-UL, Portugal): "Shift of Alkanes from Fuels to Feedstocks for Organic Synthesis: a Proof of Concept towards Sustainability"
- Luca Volpe (CLPU, Spain): "Is inertial fusion going to provide an energy source for the future? Recent results and remaining challenges"
- Pete Smith (Univ. of Aberdeen, UK): "Environmental sustainability considerations for land-based renewables"

Fusion & Fission (Presented by Miguel Alario-Franco & Natividad Carpintero-Santamaria):

- Ricardo Betti (Univ. Rochester, USA): "Burning plasmas and thermonuclear ignition via lasers"
- Mike Campbell (CERN, Switzerland): "Quantum imaging of ionizing and non-ionizing radiation and some applications related to energy and fusion research"
- Tony Donné (EUROfusion, Germany): "Magnetic Confinement Fusion: Status, Challenges and Prospects"

Prestigious Awards and Recognitions:

The Symposium honored outstanding individuals with prestigious awards:

On October 24th, 2023, the EurASc 2023 Symposium and Ceremony in Madrid continued with the acknowledgment of outstanding contributions in various scientific fields, accompanied by insightful talks from distinguished scholars.

The recipients and talks for the day were as follows:

The ****Leonardo da Vinci Award**** was bestowed upon Professor J.N. Reddy from Texas A&M University, USA. The award, presented by Rodrigo Martins and Alain Tressaud, EurASc President and Vice-President respectively, recognized Professor Reddy's pioneering work in "Computational Mechanics: The Third Pillar of Scientific Investigation." His research and educational endeavors in composite materials and structures were celebrated with this prestigious accolade.

Professor George Z. Voyiadji, from C4G - Louisiana State University, USA, received the

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****Engineering Blaise Pascal Medal****. Giuseppe Lasidogna, Head of the Engineering Division, presented the award in recognition of Professor Voyiadji's significant contributions in plasticity and damage modeling. His talk, titled "A Physics-based Crystal Plasticity Model with Applications in Simulation of Micropillar Compression and Strengthening Effect of Multilayered Copper-graphene Nanocomposites," underscored the depth of his research.

The ****Physics Blaise Pascal Medal**** was awarded to Professor Riccardo Betti from the University of Rochester, USA. Presented by Paul Lecoq, Head of the Physics Division, the award acknowledged Professor Betti's outstanding achievements in high-temperature plasma physics. His talk, "Status of laser fusion research and progress towards inertial fusion energy," highlighted his groundbreaking work in inertial fusion energy, particularly the novel "shock ignition" approach to direct-drive inertial confinement fusion.

Professor George Malliaras from the University of Cambridge, UK, received the ****Materials Science Blaise Pascal Medal****. Tomas Torres-Cebada, representing the Head of the Materials Science Division, presented the award in recognition of Professor Malliaras's pioneering contributions to organic electronic materials. His talk, "Technology for Bioelectronic Medicine," explored the transformative potential of organic bioelectronics in the field of medicine.

The ****Mathematics Blaise Pascal Medal**** was bestowed upon Professor Athanassios S. Fokas from the University of Cambridge, UK. Presented by Jesús Sanz-Serna, representing the Head of the Mathematics Division, the award recognized Professor Fokas's exceptional contributions to the solution of nonlinear partial differential equations. His talk, "Unification versus Reduction: from the Unified Transform to Asymptotics," highlighted the interdisciplinary impact of his work.

Professor Patrick Couvreur from the University of Paris-Saclay, FR, received the ****Medicine and Life Sciences Blaise Pascal Medal****. Presented by Daniel Scherman, Head of the Medicine and Life Sciences Division, the award acknowledged Professor Couvreur's seminal work in nanotechnologies for drug delivery and imaging sciences. His talk, "Squalene-based nanomedicines for the treatment of severe diseases," underscored the innovative potential of

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nanomedicines in addressing critical medical challenges.

These presentations and accolades underscored the profound impact of the recipients' contributions across diverse scientific disciplines, further enriching the EurASc 2023 Symposium and Ceremony with invaluable insights and advancements.

During **SESSION VII**, two parallel sessions took place:

- 1) ****Madrid Declaration: Energy & Global Change RAC & EASAC****
- 2) ****Iberian Sciences****

Presented by Rodrigo Martins, the EurASc President, and Miguel Alario-Franco, these sessions addressed significant topics:

****Madrid Declaration: Energy & Global Change RAC & EASAC:****

The Madrid Declaration focused on issues pertaining to energy and global change, co-hosted by the Real Academia de Ciencias Exactas, Físicas y Naturales de España (RAC) and the European Academies' Science Advisory Council (EASAC). This session aimed to articulate a comprehensive document, the Madrid Declaration, which would outline strategies and commitments concerning energy and global environmental challenges.

****Iberian Academy of Sciences:****

Under the auspices of the European Academy of Sciences, this session marked the inaugural meeting to establish an Iberian Academy of Sciences. The primary objective was to identify common interests and synergies between existing scientific academies in Portugal and Spain. The envisioned Iberian Academy would serve as an overarching institution, fostering collaboration, knowledge exchange, and joint research endeavors between the two countries. Among the proposed initiatives were mutual advising, collaborative research projects, and joint applications to European research funding programs. Furthermore, the session discussed the potential establishment of an "Iberian Research Fund," supported by governmental, EU, and private sector entities, aimed at promoting research and innovation in science and technology

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within the Iberian Peninsula.

These parallel sessions exemplified the commitment of scientific institutions to address pressing global challenges while fostering regional cooperation and innovation in scientific research and development.

New Members Induction:

Following the awards ceremony, the EurASc 2023 Symposium and Ceremony in Madrid continued with a significant announcement: the induction of 51 new members into the European Academy of Sciences (EurASc), marking a momentous occasion in the pursuit of scientific excellence.

In a heartfelt message from the President of EurASc, the new members were warmly welcomed into the esteemed academy. Each individual was recognized for their exceptional scientific achievements, carefully evaluated to ensure their contributions align with EurASc's mission to advance science and technology for social and economic progress.

The names of the new members were announced across various divisions:

****Chemistry Division:****

- Khalil Amine
- Anne-Marie CAMINADE
- Pedro J. PEREZ
- Martin Malmsten
- Angela AGOSTIANO
- Ryan Gilmour
- Zeev Gross
- Gill REID
- Christoph Weder

****Computational and Information Sciences Division:****

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- Wil Schilders

****Earth and Environmental Sciences Division:****

- Laura AIROLDI

- Almut ARNETH

- Paola Cessi

- Veronique Dehant

- Jian Lin

- Verinder Sharma

- Sabrina Speich

- Soroosh Sorooshian

- Ruben SOMMARUGA

- Isabel Sousa Pinto

- Lixin Wu

****Engineering Division:****

- Manuel Doblaré

- Alfonso Farina

- René de BORST

- Petros Ioannou

- Shuai Li

- Jihong Wang

****Materials Science Division:****

- George Malliaras

- Zhongchang Wang

- Xiao-Yu Yang

- Sara Bals

- Mischa Bonn

- Rainer Haag

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- Natalie Stingelin

****Mathematics Division:****

- Hugo Duminil-Copin

- Sarah van de Geer

- Jan Philip Solovej

****Medicine and Life Sciences Division:****

- Kexuan Tang

- Nektarios Tavernarakis

****Physics Division:****

- SALWAN Al-Ani

- Ricardo Betti

- Robert Minasian

- Yarub Al-Douri

- Ginestra Bianconi

- Burkard Hillebrands

- Augusto Marcelli

- PASSARINO Giampiero

- Pere Roca

****Social Sciences and Humanities Division:****

- Immaculada de MELO-MARTÍN

- Mauro Dorato

- Kärin NICKELSEN

- Nikolai SPASSOV

This diverse cohort of new members enriches EurASc's global network of excellence, fostering collaborative efforts and transformative contributions to advance scientific knowledge and innovation worldwide. The induction of these individuals reflects EurASc's steadfast

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commitment to promoting excellence in science and technology across disciplines.

Closing Session:

The closing session was led by President and Vicepresidents of EurASc and encapsulated the key takeaways and insights from the EurASc 2023 Symposium and Ceremony. Conclusions drawn from the event's discussions and presentations were summarized, emphasizing the importance of collaboration, innovation, and scientific excellence in addressing global challenges.

Future Meetings - EurASc 2024 Symposium & Ceremony:

The EurASc 2024 Symposium and Ceremony are scheduled to take place in Lisbon on October 29-30, 2024. This upcoming event will provide another platform for distinguished scientists, researchers, and members of the academy to convene, share knowledge, and explore emerging trends and developments in science and technology.

General Assembly:

An open General Assembly took place in the closing of the event, where all EurASc members were invited to participate, including through virtual platforms such as Zoom. The General Assembly serves as an opportunity for members to engage in discussions, vote on important matters, and contribute to the strategic direction of EurASc.

During the General Assembly, various crucial topics were discussed, reflecting the collective engagement and shared responsibilities of EurASc members. The assembly covered the following key points:

1. Future Events and Initiatives:

- The assembly delved into discussions about upcoming events and initiatives, outlining the strategic direction for the academy in the coming months and years.
- Emphasis was placed on the need to plan and organize future events that align with

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EurASc's mission and goals.

2. Promotion of the Academy:

- Members recognized the importance of promoting EurASc to relevant institutions and stakeholders.

- The assembly acknowledged that the collective effort of all members is essential in raising awareness about the academy's contributions to science and technology.

- Members discussed and refined a unified presentation document for EurASc. This document aims to provide each member with a standardized tool for effective dissemination and promotion of the academy.

3. Review of 2023 Events:

- A comprehensive overview of events conducted throughout 2023 was presented, showcasing the diverse range of activities and contributions made by EurASc during the year.

4. Elections for 2024:

- The impact of the ongoing COVID-19 situation on organizational matters was addressed.

- Due to the challenges posed by the pandemic, mandates here extend of current officeholders, that will now be open for elections.

The General Assembly served as a platform for open dialogue, collaborative decision-making, and strategic planning, reinforcing the commitment of EurASc members to the advancement of science and technology.

Social Dinner:

The Social Dinner held at Residencia de Estudiantes offered a more informal and relaxed atmosphere, fostering interaction among members. Scheduled for October 23rd at 8:30 PM in the Salon de Atos, the dinner aimed to facilitate fellowship and socializing among attendees.

Residencia de Estudiantes holds significant cultural importance as Spain's first cultural center and a prominent venue for artistic and cultural exchange in inter-war Europe. It hosted renowned figures such as Federico García Lorca, Salvador Dalí, Luis Buñuel, and Severo Ochoa,

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reflecting its rich history as a hub for innovative ideas.

Established in 1910 as an intellectual complement to university studies, the center maintained independence from political, religious, or moral ideologies. It served as a meeting point for the international avant-garde, attracting distinguished figures from Spanish culture throughout the 20th century.

The event featured a talented pianist whose performance added vibrancy to the gathering, bringing joy and life to the iconic instrument within the historic space. The pianist's presence enhanced the convivial atmosphere, contributing to a memorable evening of camaraderie and cultural exchange.

Attendances:

Approximately 50 participants per day attended the EurASc 2023 Symposium and Ceremony, totaling 70 attendees overall. The event saw a diverse gathering of leading scientists, scholars, and industry experts from across various disciplines, fostering interdisciplinary dialogue and collaboration.

The closing session symbolized the culmination of the EurASc 2023 Symposium and Ceremony while also paving the way for future endeavors and continued engagement within the scientific community.





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ADMINISTRATIVE
REPORT

2023



EUROPEAN ACADEMY OF SCIENCES

****EurASC 2023 Administrative Report****

This report provides an overview of EurASC's administrative activities from May 2023 to December 2023, highlighting key developments and achievements during this period.

Due to health issues, our part-time administrative assistant, Kim De Leeuw, has been on indefinite sick leave since February 2023, and this situation persists. To address this challenge and in the absence of additional staff, we proposed hiring Sara Oliveira (also part-time), who has been collaborating with the academy since 2018. Sara accepted the proposal, and Luis Milhano's services were also enlisted for financial management. Despite this, both contracts remain financially beneficial as they fall below the compensation paid to the absent administrative assistant.

In July 2023, Luis and Sara traveled to Liege, the headquarters of EurASC, to gain access to crucial information for remote management. Following meticulous organizational efforts and data collection, their work is now yielding tangible results.

On the administrative front, the Member Database (active and historical) was completed and refined, including the assignment of membership numbers. Several meetings were held to streamline nomination procedures and voting, resulting in improved communication channels and response times for member queries. The personal area for each member on the EurAsc.eu website was activated, facilitating nominations and updates to personal data.

In terms of events, the annual event on October 23rd-24th, 2023, the EurASC Symposium 2023 & Ceremony took place in Madrid, hosted by the Real Academia de Ciencias Exactas, Físicas y Naturales de España – SPAIN attracted 60 participants. New members were presented with their membership certificates during this ceremony.

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Regarding our social media presence, significant growth was observed over the last 365 days, with substantial increases in post impressions, engagements, followers, profile viewers, and search appearances on LinkedIn.

Despite challenges in Human Resources and increased event revenue, it was possible to end 2023 with positive revenue, which was not the case in 2022.

Conclusion:

The European Academy of Sciences stands as a beacon of excellence in promoting fundamental research and advancing science and technology. As a non-profit, non-governmental organization comprised of distinguished scholars and engineers, EurASc is committed to fostering social and economic development through the promotion of science and technology.

The administrative efforts undertaken from May to December 2023 have significantly contributed to EurASc's mission. Despite challenges in Human Resources and the need for increased event revenue, the academy has demonstrated resilience and financial stability, ending the year with positive revenue. These achievements underscore EurASc's dedication to excellence and its pivotal role in shaping the scientific landscape.

Final Acknowledgment:

The dedicated efforts of Sara Oliveira and Luis Milhano have undeniably yielded fruitful results for EurASc. Their commitment and hard work, particularly during the challenging period of administrative restructuring, have proven instrumental in the academy's operational success. As we reflect on the accomplishments of May to December 2023, it is evident that the meticulous organization, data clarification, and financial management executed by Sara and Luis have positioned EurASc on a trajectory of sustained success. The positive outcomes underscore their valuable contributions, setting a promising foundation for the academy's future endeavors.



Sara Oliveira

Administrative Assistant



Luis Milhano

Financial Assistant

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IN SUPPORT OF EXCELLENCE IN SCIENCE AND TECHNOLOGY

EurASc 2022 Account			
Membership fees		Annual Event	
Receipts	2022	Receipts	2022
Membership fees	39 308,15 €	Fees	2 225,76 €
Sponsorship	7 950,00 €	Dinner	890,00 €
TOTAL	47 258,15 €	TOTAL	3 115,76 €
Expenses	2022	Expenses	2022
Rentals (Office + Fondation)	6 696,96 €	Rental	2 880,00 €
Human Resources	22 492,45 €	Dinner	1 600,00 €
Bank taxes	941,44 €	Lunches	5 006,70 €
Accountant	1 337,05 €	Travel (flights, bus tickets, etc)	2 056,63 €
Website	5 404,22 €	Accommodation	580,00 €
Travel (flights, bus tickets, etc)	1 828,06 €	Prizes (Ldv, BP, certificates, pins, booklets, etc)	1 315,54 €
Mail	583,12 €	Multimedia service	500,00 €
Others	1 268,75 €	TOTAL	13 938,87 €
TOTAL	40 552,05 €		
TOTAL	Receipts	Expenses	Dif
	50 373,91 €	54 490,92 €	- 4 117,01 €

Prof. Rodrigo Martins
President of EurASc

Prof. Helene de Rode
Perpetual Secretary

Prof. Alain Tressaud
Vice-President of EurASc

Prof. Daniel Scherman
Member of the Executive Committee

Document presented and approved by all members of the Presidium, signed by the Executive Committee



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IN SUPPORT OF EXCELLENCE IN SCIENCE AND TECHNOLOGY

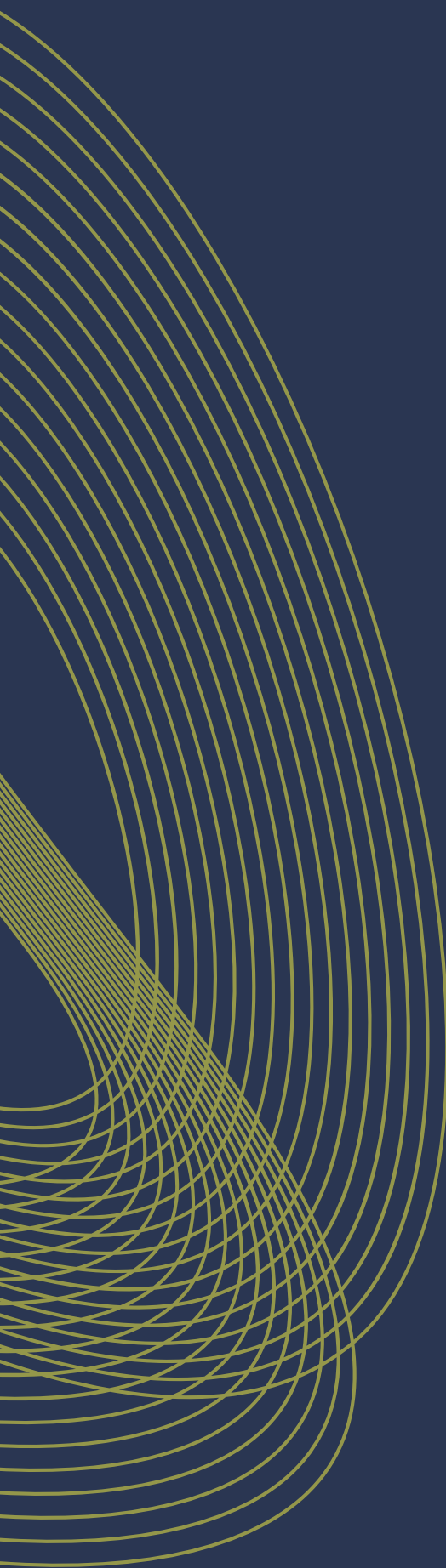
EurASc 2023 Account			
Membership fees		Annual Event	
Receipts	2023	Receipts	2023
Membership fees	54 573,43 €	Fees	3 005,08 €
Sponsorship		Dinner	1 468,77 €
Others	1 030,99 €	TOTAL	4 473,85 €
TOTAL	55 604,42 €		
Expenses	2023	Expenses	2023
Rentals (Office + Fondation)	6 394,96 €	Rental	1 317,50 €
Human Resources	20 114,86 €	Dinner	3 958,34 €
Bank taxes	1 820,20 €	Lunches	806,23 €
Accountant	2 979,32 €	Travel (flights, bus tickets, etc)	2 248,21 €
Website	120,00 €	Accommodation	1 808,88 €
Travel (flights, bus tickets, etc)	848,74 €	Prizes (Ldv, BP, certificates, pins, booklets, etc)	500,00 €
Mail	211,15 €	Multimedia service	6,15 €
Others	2 014,61 €	Bank taxes	
TOTAL	34 503,84 €	TOTAL	10 645,31 €
TOTAL	Receipts	Expenses	Dif
	60 078,27 €	45 149,15 €	14 929,12 €

Prof. Rodrigo Martins
President of EurASc

Prof. Alain Tressaud
Vice-President of EurASc

Prof. Daniel Scherman
Member of the Executive Committee

Document presented and approved by all members of the Presidium, signed by the Executive Committee



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