

Report of the IAPSO Nominations Committee and Slate of Candidates for Election to the IAPSO Executive Committee for 2023- 2027

The Statutes and By-Laws of IAPSO prescribe the composition, election process and terms of office of the IAPSO Executive Committee (EC). An essential requirement for the success of IAPSO is to have rotation of EC membership to ensure “new blood”, but at the same time retain adequate continuity. At the end of 2022, the following Nominations Committee (NC) was appointed, following Article II/10 of the Statutes (*):

Denise Smythe-Wright, Chair (National Oceanography Centre, Southampton, UK),
Isabelle Anson (University of Cape Town, South Africa),
Rick Lumpkin (AOML, NOAA, Florida, USA),
Alberto Piola (Universidad de Buenos Aires, Argentina),

The NC reviewed the present (2019-2023) membership of the IAPSO EC and, following the procedures of Article II/14 of the By-Laws (**) for vacant positions on the EC, a call for nominations for the period 2023-2027 was sent to National Delegates in November 2022. Where appropriate, the NC sought additional nominations. It should be noted that following the IAPSO Assembly in Montreal in 2019, a formal electronic vote agreed to increase the EC membership at large to 8 (***). One of the eight members will be de facto an early career scientist, whose formal role will be to chair the IAPSO Early Career Scientists Working Group. It should also be noted that the role of Past President is automatic and that the 2015-2023 Treasurer was eligible for re-election for a further 4-year term.

Nominations received were: 1 for the position of President, 2 for the positions of Vice-Presidents, 1 for the Secretary General, 1 for Treasurer, and 8 for the positions of members of the Executive Committee at large, including one for an early career scientist to chair the IAPSO Early Career Scientists Working Group. All the nominees have world-class reputations and distinguished careers with previous associations with IAPSO.

It is now my pleasure to present the following slate of candidates to be considered and elected to the next IAPSO EC at the General Business Meeting of IAPSO, in Berlin on July 14, 2023. In putting this slate together, the NC has endeavored to ensure that there is good disciplinary, geographical and gender balance. In particular, note that twelve countries (and five continents) are represented, and that there are seven female and seven male candidates. The slate of candidates for the 2023-2027 IAPSO Executive Committee is therefore:

President:

Hans van Haren (The Netherlands, M)

Secretary General:

Silvia Blanc (Argentina, F)

Past President:

Trevor McDougall (Australia, M)

Vice President:

Agatha de Boer (Sweden, F)

Vice President:

Toshi Hibiya (Japan, M)

Treasurer:

Ken Ridgway (Australia, M)

EC Members at Large (eight):

Juliet Hermes (South Africa, F)

Yukio Masumoto (Japan, M)

Malin Ödalen (Germany, F, ECS)

Jae-Hun Park (Korea, M)

Regina Rodrigues (Brazil, F)

Joellen Russell (USA, F)

Ale Sanche-Franks (UK, F)

Peter Zavialov (Russia, M)

All candidates have expressed their willingness to work on the IAPSO Executive in the stated roles for the period 2023-2027. Their details and suitability for the roles are given in Annex 1. Full CVs are available by request to the IAPSO Secretary General.

Denise Smythe-Wright
Chair Nominations Committee
Past President IAPSO
12 June 2023

* (Statutes, II-10) A Nominations Committee of four persons from countries having Members will be appointed by the Executive Committee. The Nominations Committee will normally include the immediate Past President as its Chairperson. Its function will be to scrutinize nominations received for positions on the Executive Committee which become vacant, to seek additional nominations where appropriate, to ensure disciplinary and geographical distribution, and to prepare a final slate of candidates for election at the General Assembly.

** (By-Laws, II-14) Nominations Committee

- (a) The terms of members of the Nominations Committee referred to in Article 10 of the Statutes will expire at the end of the General Assembly following their appointment.
- (b) A call for nominations for candidates for positions on the Executive Committee will be issued by the Secretary General of the Association at least six months prior to a General Assembly where an election is to take place.
- (c) Nominations must be accompanied by a brief Curriculum Vitae, and will not be accepted later than three months prior to the General Assembly, except for additional candidates identified by the Nominations Committee in accordance with Article 10 of the Statutes.
- (d) The Nominations Committee will prepare a slate of candidates one month prior to the General Assembly, and will confirm that the members of this slate are prepared to serve if elected.
- (e) In the event of a vacancy occurring on the Executive Committee during its term of office as a result of the resignation or demise of a member, the Nominations Committee will assist the Executive Committee in finding a suitable replacement.

*** (Statutes, II-8) In accordance with Section III, the delegates from countries having Members shall elect eight persons who, together with the President, immediate Past President, Vice Presidents, Secretary General, and Treasurer, shall constitute the Executive Committee of the Association. One of the eight members will be de facto an early career scientist, whose formal role will be to chair the IAPSO Early Career Scientists Working Group.

Annex 1

Candidate details and suitability

President: Hans van Haren

Hans is a Senior Scientist of Physical Oceanography at the Royal Netherlands Institute for Sea Research (NIOZ) in the Netherlands. During the past three decades, he has led many international cruises investigating the dynamical effects of density variations, ranging from diapycnal mixing to internal waves. He has also studied the impact of breaking internal waves on sediment transport and ocean biology. Educated at the University of Utrecht, he has held many visiting positions in Europe, Canada, Japan, France and Australia. He has published more than 120 first-authored refereed papers and has been a frequent convener of oceanographic sessions at the European Geophysical Union and other international conferences. In addition, he has held a number of positions in relation to editorial work and has sat on various editorial boards. Hans has been a member of the IAPSO Executive Committee since 2015. In 2019 he was elected Vice President for the period 2019-2023. With his broad European and international experience, Caroline Katsman, the IAPSO National Correspondent for the Netherlands has recommended that he be elected IAPSO President for the period 2023-2027. His extensive experience with IAPSO makes him an ideal candidate.

Past President: Trevor McDougall (This position is de facto and does not require nomination).

Trevor is Emeritus Scientia Professor of Ocean Physics at the University of New South Wales, Sydney, Australia and former CSIRO Fellow with the Division of Marine and Atmospheric Research. A graduate of the universities of Adelaide and Cambridge, Trevor has attained international recognition for his work on the thermodynamics of seawater, ocean mixing and water mass transformation, and the improvement of ocean models that simulate the latter processes. Internationally, Trevor served for six years on the international Scientific Steering Group for WOCE (World Ocean Circulation Experiment) and has been a contributor to the reports of the Intergovernmental Panel on Climate Change. He has received many honours and awards for his research contributions, including a Fellowship in the Australian Academy of Science (FAA) and the Royal Society of London (FRS). Many of us will remember his excellent Prince Albert I Memorial Lecture at the IUGG General Assembly in Melbourne, in July 2011, when he was awarded the IAPSO Prince Albert Gold Medal. Trevor has been very active in the affairs of IAPSO for several decades, organizing many symposia at its assemblies, and serving as a Vice-President in 2015-2019 and as a leader in joint SCOR-IAPSO Working Groups. His most distinguished contribution in the latter area has been as chair of the SCOR-IAPSO WG 127 on the “Thermodynamics and equation of state of seawater”. This international group of ocean chemists, physical oceanographers and ocean modelers developed a fundamentally new approach to seawater thermodynamics which was formally endorsed by SCOR, IAPSO and IUGG, and later adopted by the International Association for the Properties of Water and Steam and the Intergovernmental Oceanographic Commission.

Vice President re-elected: Agatha de Boer

Agatha is a Professor of physical oceanography and paleoceanography at Stockholm University, Sweden. She completed her undergraduate studies in mathematics and physics in South Africa, and obtained her PhD in ocean modeling from Florida State University in 2003. After postdoctoral and research positions at Princeton University and the University of East Anglia, she assumed her present position in 2011. She has worked on the glacial carbon budget, Southern Hemisphere wind changes during the last glacial maximum, the controls on the AMOC, and the Bering Strait’s grip on Northern Hemisphere climate. She has given many invited lectures in Europe and South Africa, and is dedicated to the public outreach of science and the mentoring of young female scientists. In particular, Agatha has served on the leadership board of the international Earth Science Women’s Network 2007-2013. She was elected in 2015 as a member of the IAPSO Executive Committee and has served on the committee since then, from 2015- 2019 as a member at large and then in 2019 she was nominated as Vice President of IAPSO by Prof. Caroline Leck and served in that role since. She is now eligible for re-election for a further 4-year term and has been nominated by the Chair of

the Swedish National Committee for IUGG, Per Holmlund. Agatha is a regular participant in IAPSO assemblies and is very interested in providing “young blood” leadership to the organization. Given her wide international network of colleagues and collaborators, the NC is most pleased to recommend that Dr. de Boer be re-elected.

Vice President: Toshiyuki Hibiya

Toshi is a Professor of Oceanography in the department of Ocean Sciences at the Tokyo University of Marine Science and Technology, Japan. He is internationally recognized for his investigations into diapycnal mixing processes in the deep ocean, the upper ocean response to severe weather and the dynamics of the Kuroshio meanders. He has published extensively in international journals and been on numerous editorial boards including the role of Editor-in-Chief of the Journal of Oceanography. He has also held numerous positions within many international and national professional bodies and societies and received a number of honours including the prestigious Okada Memorial Prize of the Oceanographic Society of Japan in 1989 and the Society Prize of the Oceanographic Society of Japan in 2008. He was made an honorary member and Fellow of IUGG in 2023. Over the years Toshi has been very active within IAPSO as a convenor and speaker. He served as secretary of the Local Organizing Committee for the very successful XXIII IUGG General Assembly held in Sapporo, in 2003 and was a member of the IAPSO EC 2011-2019. Given Toshi’s active support of the IAPSO his nomination for vice-president for the period 2023-2027 by Dr. Toshio Yamagata, the IAPSO Correspondent for Japan is very welcome.

Secretary General: Silvia Blanc

Silvia is head of the Underwater Acoustics Propagation Department of the Argentinian Navy Research Office (DIIV) and the UNIDEF (National Council of Scientific and Technical Research/Ministry of Defence). Her expertise is in modelling of sound wave propagation phenomena in the sea and acoustic scattering by volume elements and by surfaces such as the water-air and water-marine sediment interfaces. She has actively participated in a number of national and international scientific programmes in the field of marine science and been a member of a number of scientific committees. She served on the IAPSO executive for 2 terms from 2007 to 2015 and since then has continued to be actively involved at assemblies as a speaker and convenor. She has been particularly active in promoting IAPSO within South America. Her extensive participation and knowledge of IAPSO makes her an ideal candidate for the position of IAPSO SG and her nomination by Martin Saraceno the IAPSO National correspondent for Argentina is much appreciated.

Treasurer: Ken Ridgway

Ken was formerly Principal Research Scientist at the Commonwealth Scientific and Industrial Research Organization (CSIRO) Marine & Atmospheric Research Laboratory in Hobart, Australia and is now (since 2014) a Post Retirement Fellow at CSIRO. Ken is a physical oceanographer who has had broad experience across ocean observations, data analysis and modeling. He has led the development of some of the most innovative and heavily used ocean data synthesis products that require careful attention to small detail and a rigorous approach to data handling. He has also been involved in numerous international observing programs and their related coordination mechanisms; he has a diverse and large group of collaborators. Ken was elected in 2011 to a four-year term as IAPSO EC Member at Large, and was an active member of the Executive organizing symposia for the IAPSO assemblies. In 2015, he was elected to the important position of Treasurer of IAPSO for two four-year terms. The Australian National Committee is now very happy for Ken to continue for a further 4-year term for the period 2023-2027 and he has been nominated by Professor Trevor McDougall, the National Australian Correspondent.

Member at large, re-elected: Professor Juliet Hermes

Juliet is the manager and a principal oceanographer at the South African Environmental Observation Network (SAEON) node for marine offshore systems and an honorary Professor of the

Department of Oceanography at the University of Cape Town. She has considerable experience in *in situ* observational, satellite and reanalysis measurements, as well as using climate data and statistical analysis methods. She has been heavily involved in managing national, regional and international long-term ocean observation and modelling programs and in cruise planning. She was nominated by Isabelle Ansorge, chair of the IAPSO National Committee of South Africa and IAPSO National Correspondent in 2019 and served on the IAPSO executive 2019-2023. She was heavily involved in the organization of the IAPSO Assembly in Cape Town. Juliet is now eligible for re-election and has again been nominated by Isabelle Ansorge.

Member at large, re-elected Prof. Yukio Masumoto

Yukio is a Professor at the Department of Earth and Planetary Science, Graduate School of Science, at the University of Tokyo. He has many publications in international journals on the low-latitude climate/ocean variations, using numerical models as his major tool. He is also interested in observational research in the Indian Ocean and has been involved in the implementation of Indian Ocean Observing System (IndOOS) since its planning stage. He was a member of CLIVAR/GOOS Indian Ocean Panel (IOP) from 2004 to 2013, and served as a co-chair of IOP 2008-2011, promoting biophysical research interactions between IOP and SIBER, which is a research project under IMBER. He was nominated by Prof. Toshio Yamagata, the IAPSO Correspondent for Japan in 2019 and has served on the IAPSO executive 2019-2023. He is now eligible for re-election and has again been nominated by Prof. Toshio Yamagata.

Member at large, re-elected: Prof. Jae-Hun Park

Jae-Hun is a Professor at the Department of Ocean Sciences, Inha University. His primary interests are in coastal and marginal seas and boundary regions specializing in water dynamics using remote measurements such as acoustic tomography and satellite altimetry. He graduated from Seoul National University, Korea, in 1994 and completed his doctorate at the Hiroshima University, Japan, in 2001. Following some work in Korea and Japan he moved to the Graduate School of Oceanography, University of Rhode Island and worked there 2004-2010, before returning to Korea. He was nominated in 2019 by the Korean IAPSO National correspondent Prof: Yign Noh and served on the IAPSO executive from 2019-2023. Jae-Hun was instrumental in organizing the IAPSO assembly in 2021 that was held on-line due to the global COVID-19 pandemic. He is now eligible for a further 4-year term and has again been nominated by the Korean national correspondent, Young Ho Kim.

Member at large, re-elected: Prof. Peter Zavialov

Peter is a Deputy Director of the Shirshov Institute of Oceanology, Russian Academy of Sciences; he is a physical oceanographer and the Principal Research Scientist and Departmental Head at this institute. His research involves the study of anthropogenic influence on the ocean, circulation and mesoscale processes. He is a physical oceanographer with background in general physics. Early in his career he worked at Oregon State University, USA moving to the University of Rio Grande, Brazil, where he worked for 5 years on the observational regional oceanography of the Southwest Atlantic and Brazil-Malvinas Confluence region. His interests are in coastal oceanography, as well as in marginal and inland seas, and terrestrial water bodies and has worked in the South China Sea and Taiwan Strait, the Kara Sea, and the Caspian Sea. He has been active in IAPSO convening a symposium at the IUGG assembly in Montreal in 2019 and was nominated by Dr. Eugene Morozov, IAPSO National Correspondent for Russia in 2019 to serve on the 2019-2023 IAPSO executive. He is now eligible for re-election and has again been nominated by Dr Eugene Morozov.

Member at large, new member: Dr. Alejandra Sanchez-Franks

Ale is now a Senior Research Scientist at the National Oceanography Centre, Southampton, having joined the organisation in 2015 as a postdoctoral researcher. She graduated with an honours degree in applied mathematics from the University of Waterloo, Canada and completed her doctoral research at Stony Brook University, USA in 2015. Her primary research interest is in ocean

circulation and her focus has been on the North Atlantic and the Indian Ocean. In 2019 she became the first Chair of the IAPSO Early Career Scientist Working Group and in that role she was co-opted as a member of the IAPSO Executive committee for the period 2019 -2023. She has now relinquished her position of ECS Chair and has been nominated to serve on the IAPSO executive by the UK National delegate, Kate Heal for the period 2023-2027. She was a Council member for the UK Challenger Society for Marine Science 2017-2020.

Member at large, new member: Malin Ödalen

Malin is presently a postdoctoral researcher at GEOMAR Helmholtz Centre for Ocean Research, Kiel. She is working on the SO-CHIC EU Horizon 2020 Project, developing and running a coupled climate model to study the Weddell Sea and its role in the climate system, with specific interest in polynyas. She previously worked in the Department of Geosciences at the University of Arizona focusing on differences in ocean carbon storage between climate states in CESM2 and the role of atmospheric forcing. She is a graduate of University of Gothenburg and completed her doctorate in Atmospheric Science and Oceanography at the University of Stockholm in 2019. As an early career scientist she was appointed as the first vice-chair of the IAPSO Early Career Scientists Working Group in February 2018 and since 2019 has also been a member of the Early Career Ocean Professional (ECOP) Informal Working Group (IWG) for the UN Decade of Ocean Science for Sustainable Development, and Lead chair and co-ordinator of the IAPSO ECS Group Review for the IPCC AR6 WGI second order draft, in 2020. Malin is now taking on the role of Chair of the IAPSO Early Career Scientist WG and has been nominated to fulfill this role within the IAPSO EC by Arne Biastoch the National IAPSO Correspondent for Germany.

Member at large, new member: Regina Rodrigues

Regina is Associate Professor at the Federal University of Santa Catarina, Florianopolis, Brazil. She is a physical oceanographer graduating from the Oceanographic Institute, University of Sao Paulo, Brazil in 1997 and completed her doctorate in 2004 at the Graduate School of Oceanography, Univ. Rhode Island, USA. Since then she has worked as postdoctoral researcher at the Pacific Marine Environmental Laboratory, NOAA, USA and a visiting academic at the Department of Atmospheric, Oceanic and Planetary Physics, University of Oxford, UK. Her research interests include understanding how tropical ocean basins interact and affect the extra-tropics leading to compound extreme events of drought and heat waves on land and at sea, high acidity and low productivity in the oceans. She is an expert on the impact of ENSO on the tropical and South Atlantic and ENSO's role in the South American monsoon. She has served on a number of national and international committees and has now been nominated for the IAPSO EC for the period 2023-2027 by Edmo Campos, the IAPSO Brazilian National Correspondent.

Member at large, new member: Joellen Russell

Joellen is a Professor, in the Departments of Geosciences, University of Arizona. USA. She is also the Thomas R. Brown Distinguished Chair of Integrative Sciences at that University. Her research uses robot floats, satellites, and supercomputers to observe and predict the ocean's role in the climate and carbon cycle of the past, the present and the future. She is the lead for the modelling theme of the Southern Ocean Carbon and Climate Observations and Modelling project (SOCCOM) including its Southern Ocean Model Intercomparison Project (SOMIP), in active collaboration with colleagues at the NOAA/GFDL. She has worked in a number of national and international programmes and is presently the chair of the NOAA Science Advisory Board, Climate working Group. Joellen was co-opted onto the IAPSO executive in 2021 following the resignation of Rick Lumpkin. She is now being formally nominated for the period 2023-2027 by Renellys Perez the USA National IAPSO Correspondent.