

IHPST Election Slate for 2022-2024 Council

(Candidates are listed in alphabetical order for each position)

President-Elect (Two candidates, choose one):



Zuraya Monroy-Nasr. I am tenured professor at the National Autonomous University of Mexico. As professor in one of the largest public universities of Latin America, I have a deep commitment to using HSP insights to counterbalance structural international challenges in the unequal distribution of economic educational resources. I started my training in psychology, moving to master and doctoral degrees in philosophy (in Brazil and Mexico, respectively). I have also been research fellow at Boston University's Center for Philosophy and History of Science (1997-1999; 2007-2008). My affiliation with the IHPST dates from 2007, participating in Canada, USA, and Europe as well as most of the regional meetings in Latin America. Since my first IHPST meeting I have found it an important space for developing my interest in HPS and science teaching. During the past 16 years my research aims towards advancing our knowledge of science teaching through an HPS perspective, bringing together researchers from different intellectual domains (biology, chemistry, physics, psychology, philosophy, pedagogy and didactics), from Mexican and international institutions. My skills would contribute to the group's goal of bringing together diverse scholars who share an interest in promoting collegial discussions and disseminating the HPST perspectives from their academic communities, with an emphasis on regional meetings. I have edited several books on HPS and science education and organized meetings with national and international specialists throughout the years. My motivation to pursue a nomination as President-Elect stems from these rewarding experiences. At this moment in my career I am emphatic in my desire to give back to the IHPST, putting my efforts to support the continuity and development of this fertile and important group. My nomination also furthers the Council's emphasis on leadership by women of developing nations.



Hagop A. Yacoubian I am honored to be nominated for the position of President-Elect in the IHPST Council. My main goal is to promote the mission of IHPST. In particular, I envision working towards (1) bringing further diversity within the membership of our organization; (2) collaborating with international research associations and academic journals to promote the mission of IHPST; (3) creating possibilities, besides the biennial conference, where IHPST members can network and exchange ideas; (4) promoting the development of policies that encourage the inclusion of history, philosophy and sociology of science in science education and science teacher education; and (5) creating research training opportunities for graduate student members of IHPST. I am an Associate Professor of Science Education and the

Director of Education Programs at the Lebanese American University. I obtained my Ph.D. in 2012 from the Department of Secondary Education at the University of Alberta, Canada. My research focuses on the preparation of scientifically literate future citizens. I explore how the teaching of nature of science within the context of precollege science education could be used to empower future citizens to develop a critical mindset, engage in democratic decision-making processes, and be advocates of social justice. My publications have appeared in various academic journals in science education. My recently co-edited volume, *Nature of Science for Social Justice* (2020), published under the Springer series *Science: Philosophy, History and Education*, brought closer two widely researched areas in science education. It served as a platform for a group of 20 scholars, many of whom are current members of IHPST, to engage in a dialogue on nature of science for social justice. I have been a member of IHPST since 2011 and have participated in four conferences. I am also a member on the Editorial board of our journal *Science & Education*.

IHPST secretary



Ami J. Friedman. I am a science educator and International Baccalaureate Diploma Coordinator at Walled Lake Western High School (Walled Lake, MI). My 23 years of secondary teaching experience also includes teaching several university courses. In 2006, I earned a PhD in Curriculum and Instruction from Wayne State University. My continued research focuses on cultivating student understanding of NOS through HOS. I actively incorporate and advocate the importance of HOS and NOS in k-12 science classrooms. An active member of IHPST, I have presented papers and engaged in collegial dialogue at biennial and regional conferences since 2003. I have served the

IHPST Council in various capacities (Teacher Member, Director, and Secretary). I am the current secretary and website administrator. If given the opportunity, my goal as secretary is to help our community stay connected with one another and with other like-minded organizations. For more information, please visit: <http://drfriedman.wixsite.com/curriculum-vitae>

IHPST treasurer



Lori Maramante is a marine biologist and chair of the science department at Delaware Technical & Community College in Georgetown, Delaware (USA). She received her masters degree in Marine Biology at the University of California, Los Angeles (UCLA) and she holds a doctorate in science education from the University of Delaware. Her academic interests include the Nature of Science, the logic framework of science, and the use of undergraduate research as an educational best practice in science. Dr. Maramante currently serves as Treasurer for IHPST. During this last term she has worked with the IHPST council to standardize the conference funding structures while maintaining flexibility, completed the required annual tax reporting, and added

PayPal as a payment option. Her goals for the next two years include moving the bookkeeping to web-based Quickbooks in order to facilitate passing this role on to another member in the future.

IHPST Director (Four candidates: Choose two)



Agustín Adúriz-Bravo. Born in Buenos Aires, Argentina, in 1971. Background in physics teaching. Ph.D. in didactics of science from Universitat Autònoma de Barcelona (Spain) in 2001. Associate Professor and CONICET-researcher at the Institute CeFIEC of the Universidad de Buenos Aires. Research interests in science teacher education in philosophy of science. Member of IHPST since 1999, presenting in all International Conferences since Pavia-Como (except for Ankara 2017), serving in different Office positions, publishing 11 papers in *Science & Education*, guest-editing a special issue, and being the Chair of the Latin-American IHPST Conference 2012. Abbreviated 2019 CV in Spanish at:

https://www.ubu.es/sites/default/files/portal_page/files/cva_aadurizbravo_0.pdf. As Director, my main aim will be fostering a more balanced international, and especially Latin-American, participation of scholars in the Group. I am particularly interested in integrating scholars whose native language is not English. I will also be aiming at the full integration of gender and sexual minorities in the Group.



Terhi Mäntylä, PhD. I am an associate professor of research on teaching and learning of mathematics and science at the Department of Teacher Education, University of Jyväskylä, Finland. I have attended four IHPST conferences (Leeds 2005; Thessaloniki 2011, 2019; and Pittsburg 2013). I have been organizing the 2nd Nordic Regional IHPST Meeting and was also a mentor in Nordic Science Education research school on HPS in Science Education in Helsinki 2012. I was a member of the scientific committee of the 1st European Regional IHPST Conference, Flensburg 2016. I have published six articles in *Science & Education* and acted as a referee. Currently I am an editorial board member of *Science & Education*. My CV can be

found at <https://www.jyu.fi/edupsy/fi/laitokset/okl/henkilosto/mantyla-terhi>. I am honored to be a candidate for the office of director and I will work to promote the group's mission in science education community especially in science teacher education.



William F. McComas (<https://tinyurl.com/wfmccomas2022>) holds a PhD and is a *Distinguished Professor* and inaugural holder of the *Parks Family Endowed Professorship in Science Education* at the University of Arkansas. He edited the book *Nature of Science in Science Education and Language of Science Education* and the journal, *American Biology Teacher*. McComas was a Fulbright Fellow and is a Fellow of the American Association for the Advancement of Science and Linnean Society. He received the ASTE Outstanding Mentor and Outstanding Science Teacher Educator awards, the Ohaus Award for teaching innovations and evolution education honors. He has been heavily involved with IHPST for decades, attending many biennial conferences. He served as President and conference chair, frequently reviews and writes for *Science & Education* and is a member of the publications group. His

goal as Director is to serve the Board and provide continued support for the organization and grow membership in IHPST.



Cristiano Moura. I am an assistant professor in CEFET-RJ, Brazil, teaching graduate, undergraduate and high school levels, holding PhD in Science Education. I have published papers at *Science & Education*, a chapter in the edited book *Nature of Science for Social Justice*, besides articles on HPSS&ST in edited books and other international journals. I have been an IHPST member since 2014, current teacher representative at the council, and was part of organizing committee of IHPST 2015/Brazil. I have been organizing IHPST webinars and handling IHPST's Twitter account. Also, I have proposed the special teachers' sessions for the next Calgary

conference. My goal as a director is to continue increasing IHPST's digital presence and making IHPST hold partnerships to promote (or intellectually sponsor) focused seminars/webinars on HPSS emerging themes and science education pressing issues. I will also support actions that increase diversity and equity at IHPST and society. My CV: www.cbmoura.com/curriculum.

Student Member (Two candidates: Choose one)



Lisbeth Alvarado-Guzmán. I am a PhD student in Science Education in the University of São Paulo UNESP-Brazil, I have been a member of IHPST for three years and in 2019 I had the opportunity to participate for the first time in the IHPST conference, held in Thessaloniki. During 2021 I was participating in the webinars organized by the IHPST group. My main goal in applying for the position of student member is to boost participation and communication among students, from graduation

to PhD interested in HPST. My curriculum can be consulted here: <http://lattes.cnpq.br/8316747054653052>.



Johanna Andersson. I am a PhD student in the Mathematic and Science Education Department at Kristianstad University, Sweden. In my dissertation project I investigate how content about Nature of Science in science teaching can support students to enact agency. I have just started analysing my first study which will form my first thesis paper. I have been a member of IHPST for one year and I am planning to participate at the conference in Calgary. I run for the student member office to represent PhD students' perspectives and interests regarding IHPST's goals and related activities.

Teacher member



Hermann Schiffer. I am a K-12 science teacher in the Physics Department at CEFET, in Rio de Janeiro, RJ, Brazil. I'm also a co-founding member of NIEHCC, a research group on Cultural History of Science in Science Education. I also got my Ph.D. in Science Education at CEFET. I have published two papers in Science & Education, have been a member of IHPST for eight years, attending and presenting in three conferences. I was a member of the 13th IHPST conference committee. At the 15th IHPST conference, at Thessaloniki, Greece, I was chosen as the most participant foreign attendant of the event. (My vita is located here: <http://lattes.cnpq.br/5592353533181779>). My main goal in running for teacher member office is to call the attention of teachers, science education researchers, but also the general public, to the need for different perspectives, local researches and contributions from social and political groups in science education research.

Nominating Committee Member (Six Candidates: Choose four)



Irene Arriasecq is a PhD in Science Teaching and Independent Researcher from CONICET. Being part of the UNICEN, she is an exclusive Associate Professor of Epistemology and History of Science in the Department of Teacher Training of the Faculty of Exact Sciences, as well as the current Director of the ECienTec. Her first association with the IHPST was organizing Michael Matthews conferences at UNICEN in 2006. Furthermore, she was a Member of the Executive Committee of the 2nd IHPST-LA, 2012, Argentina. In recent years, she has published four articles in *Science & Education*. In addition, she wrote a chapter in the "International Handbook of Research in History, Philosophy and Science Teaching" (Michael Matthews ed., Springer). If elected, she would collaborate in the IHPST undertakings presented to her. Moreover, she has the intention to promote activities for Argentina within the IHPST. Full 2021-CV (in Spanish) at: <https://ecientec.exa.unicen.edu.ar/integrantes/>



Elizabeth Cavicchi teaches exploratory seminars interweaving science, history, art and social justice in student experiences at the Edgerton Center, MIT, Cambridge MA. I completed Ed.D. (1999) at Harvard University following master degrees in education (Harvard, BU) and visual arts (MIT), and undergraduate degrees in physics and in humanities (MIT). I attended and presented regularly at IHPST biennial conferences since 1999. Among my writings are articles in *Science and Education* (2008, 2017) and IHPST proceedings. I review manuscripts for *Science and Education*. Previously, I served on

IHPST's nominating committee (2007-2011; 2016-2019). As candidate for nominating committee, I aspire to widen participation in IHPST by educators, students and schoolteachers from diverse practices, identities and perspectives. I encourage building IHPST as a community where science and humanity mutually interrelate in shared classroom experiences, collaborative pedagogical experiments and provocative historical and philosophical perspectives.

For my CV, copy and paste this link into your browser:

https://docs.google.com/document/d/1pjlTfRTJzqLxrHfm_5tzHQMhb94RXiKnCzrSQJl0kV4/edit?usp=sharing



Charbel N. El-Hani. I am a Ph.D. in Education (University of São Paulo, 2000) and full professor of history and philosophy of science at Federal University of Bahia, Brazil. I have been engaged with the IHPST Group since 1997, when I attended the meeting in Calgary, still as a Ph.D. candidate. Since then, I have attended several IHPST conferences, published a number of articles in *Science & Education*, and also have been book review editor for the journal from 2013 to 2018. My CV can be found at: https://www.academia.edu/42810659/CV_El_Hani_English

I will be very happy if I can contribute to the IHPST Group as a member of the nominating committee for 2022-2024, which has the important role of mediating the process that elects the members of the group board.



Peter Heering. Since 2009, I am professor of physics and its didactics at the Europa-Universität Flensburg. I served in various roles on the IHPST Council, most notably, I had the honor of being IHPST-President 2013-2015. I was co-chair of the 1st European Regional Conference that took place in Flensburg in 2016. My research focuses on the analysis of historical experimental practices (in which I employ the replication method), on the historical development of teaching demonstrations, and on the use of history of science in science education. In serving on the nominating committee, I intend to support IHPST in developing further as an inclusive and diverse organisation. In doing so, I see the Nominating Committee's role as not only to recruit appropriate candidates for the next election, but also to raise the profile of

IHPST as an organization to researchers from different disciplines. <https://www.uni-flensburg.de/?id=16081>, <https://orcid.org/0000-0002-4002-4168>



Dr Vassilis Koulountzos, physicist, teacher, PhD in Science Education, is teaching Science Education undergraduate courses and STEM Education postgraduate courses at the Aristotle University of Thessaloniki Greece. Active member of the IHPST Group since 2005 has attended all the conferences in Europe, Canada and the United States. Member of the Organizing Committee in both Thessaloniki's IHPST Conferences in 2011 and 2019, member of the Scientific Committee of the 15th IHPST Conference, co-editor in the 11th and 15th IHPST Conference Proceedings and designer of the IHPST Conference websites. With genuine interest in the IHPST Group activities, researcher in the IHPST interdisciplinary field focusing on combining IHPST with digital applications in science and STEM

education. If elected in the position, he would like to create channels of communication between researchers in IHPST and teachers in schools and help to develop web events that promote scientific literacy inspired by the IHPST culture. <http://users.auth.gr/bkoul>



Dina Tsybulsky. I am an Assistant Professor and Head of the Biology Education Research Group at the Faculty of Education in Science and Technology at the Technion Israel Institute of Technology (see my [CV](#) and [website](#)). My initial exposure to the activities of IHPST was in 2017, as a Science Education postdoc fellow at Tel Aviv University. Since then, IHPST has been my home academic organization: in addition to having attended IHPST webinars, my activities have included writing, as well as reviewing, papers for Science & Education, and presenting my work at IHPST biennial conferences. I am now running for the Nominating

Committee Member Position so that I can assist the Past-President in any elections that take place during her term of office.