

## HPS&ST Note

Inter-Divisional Teaching Commission of the International Union for the History and  
Philosophy of Science

May 2015

**Dear Colleagues,**

The following HPS&ST announcements might be of interest.

### # *Science & Education* Current Issue (Vol. 24 No.4, May 2015)

ANDREAS HENKE & DIETMAR HÖTTECKE / Physics Teachers' Challenges in Using History and Philosophy of Science in Teaching  
PETER GARIK, LUCIANA GARBAYO , YANN BENÉTREAU-DUPIN , CHARLES WINRICH , ANDREW DUFFY, NICHOLAS GROSS & MANHER JARIWALA / Teaching the Conceptual History of Physics to Physics Teachers  
HERMANN FERNANDES SCHIFFER & ANDREIA GUERRA / Electricity and Vital Force: Discussing the Nature of Science through a Historical Narrative  
SUVI TALA, VELI-MATTI VESTERINEN, SIMO TOLVANEN & LASSE HONGISTO / Nature of Science Contextualized: Studying Nature of Science with Scientists

### BOOK REVIEWS

DIMITRIS KOLIOPOULOS / Kieran Egan, Annabella Cant & Gillian Judson (Editors) (2014) *Wonder-full Education: The Centrality of Wonder in Teaching and Learning Across the Curriculum* Routledge,  
RICHARD ALBERT RICHARDS / John S. Wilkins & Malte C. Ebach (2014) *The Nature of Classification: Relationships and Kinds in the Natural Sciences*, Palgrave MacMillan  
STUART ROWLANDS / Gloria Ann Stillman, Gabriele Kaiser, Werner Blum, Jill P. Brown (Eds.), (2013), *Teaching Mathematical Modelling: Connecting to Research and Practice*, Springer  
PETER HEERING / Douglas Allchin: *Teaching the Nature of Science: Perspectives and Resources*, SHiPS Education Press  
ROSS H. NEHM / Karl S. Rosengren, Sarah K. Brem, E. Margaret Evans, and Gale M. Sinatra (Eds.) (2012) *Evolution Challenges: Integrating Research and Practice in Teaching and Learning about Evolution*. Oxford University Press

All above contents, and details at: <http://link.springer.com/journal/11191/24/4/page/1>

### # 13<sup>th</sup> Biennial International IHPST Conference

The 2015 IHPST Biennial Conference will be held in Rio de Janeiro, July 22-25, at The Federal Center of Technological Education of Rio de Janeiro (CEFET/RJ) under the co-chairmanship of Marco Braga and Andreia Guerra ([adm@abq.org.br](mailto:adm@abq.org.br))

Further details of registration, accommodation, venue and speakers are available at: <http://www.abq.org.br/ihpst2015/>

The preliminary program (concurrent oral session and poster session) of the Conference at the can be viewed at: <http://www.abq.org.br/ihpst2015/schedule.html>.

## # HPS and Science Education Graduate Student Summer School

*New Educational and Fundamental Insights for Sciences and History-Epistemology-Philosophy of Sciences, & Science Education*

June 22nd-26th, 2015, MESHS, Lille, France

Sponsored by the Interdivisional Teaching Commission of the DHST and DLMPs and by the Centre Maison Européenne des Sciences de l'Homme et de la Société (MESHS).

Speakers and workshop leaders include:

- Joseph Agassi (Israel)
- Jean Dhombres
- Helge Kragh (Denmark)
- Nicholas Maxwell (United Kingdom)
- Patricia Radelet de-Grave (Belgium)
- Shahid Rahman (France)

Full details of registration, accommodation and programme available at:

<http://summerschoollille2015.historyofscience.it/index.php/en/>

Scientific committee: 67 scholars from 24 countries

<http://summerschoollille2015.historyofscience.it/index.php/en/scientific-committee>

Organizing committee:

<http://summerschoollille2015.historyofscience.it/index.php/en/organizing-committee>

Partnerships: 10 from around the world

<http://summerschoollille2015.historyofscience.it/index.php/en/>

Participant Summer school:

<http://summerschoollille2015.historyofscience.it/index.php/en/part-world-map>

Lecturers and keynote speakers:

<http://summerschoollille2015.historyofscience.it/index.php/en/courses-tutors>

Further information from workshop convenor, Raffaele Pisano: [pisanoraffaele@iol.it](mailto:pisanoraffaele@iol.it)

## # HPS&ST Handbook

The Springer handbook of research in History, Philosophy and Science and Mathematics Teaching has been published. There are 2,544 pages in 3-volumes, with 76 chapters, written by 125 authors from 30 countries. The extensive scope of the work is reflected in the Subject Index which has 2,000 entries, the Name Index which has 3,600 entries, and the 10,200 references cited.

Where institutions purchase the e-version of the handbook (EUR650, USD700), their staff and students can download individual chapters gratis. Further, such staff and students can purchase the whole 3-volume printed work for EUR25 or USD25 (mail included). Please note that this offer is only available for students and staff whose institutions have purchased the e-version, not the more expensive printed version.

Full details at:

<http://www.springer.com/education+%26+language/book/978-94-007-7653-1>

### # *Science Teaching: The Contribution of History and Philosophy of Science*

The 20<sup>th</sup> anniversary edition of this 1994 book has been published by Routledge. It has twelve chapters, 1,300 references, 500 pages, and 185,000 words; it provides a foundation for HPS-informed research and teaching in science education; it has been well received by philosophers, psychologists and educators.

Details at:

[www.routledge.com/9780415519342](http://www.routledge.com/9780415519342)

Through to Dec.31 2015, a 20% discount on the list price is available by citing **IRK69** in the 'discount code' box in the website order form.

A review of the book by Gürol Irzik, a Turkish philosopher of science, is available on the Springer *Science & Education* journal site, where the first few pages of the review can also be read:

<http://link.springer.com/article/10.1007/s11191-015-9754-x>

### # IHPST Elections and 2015-17 Council

#### IHPST Council 2015-17

Recent IHPST Group elections (with voting confined to financial members) resulted in the following new Council for period 2015-17.

President	Zoubeida Dagher Science Education, University of Delaware, USA <a href="mailto:zoubeida@udel.edu">[zoubeida@udel.edu]</a>
President-Elect	Pierre Boulos Computer Science, University of Windsor, Canada <a href="mailto:boulos@uwindsor.ca">[boulos@uwindsor.ca]</a>
Past-President	Peter Heering Physics, Flensburg Universität, Germany <a href="mailto:peter.heering@uni-flensburg.de">[peter.heering@uni-flensburg.de]</a>
Conf. Chairs (2017)	M. Fatih Taşar Science Education, Gazi University, Turkey <a href="mailto:mftasar@gazi.edu.tr">[mftasar@gazi.edu.tr]</a> Gultekin Cakmakci Science Education, Hacettepe University, Turkey <a href="mailto:cakmakci@hacettepe.edu.tr">[cakmakci@hacettepe.edu.tr]</a>
Past-Conf Chairs	Marco Braga Science Education, Centro Federal de Educação Tecnológica do Rio de Janeiro, Brazil <a href="mailto:braga@tekne.pro.br">[braga@tekne.pro.br]</a> Andreia Guerra Science Education, Federal Center of Technology of Rio de Janeiro, Brazil <a href="mailto:andreia.guerra96@gmail.com">[andreia.guerra96@gmail.com]</a>

Secretary	Jerrid Kruse Science Education, Drake University, USA <a href="mailto:jerridkruse@gmail.com">[jerridkruse@gmail.com]</a>
Treasurer	Lori Maramante Marine biologist, Delaware Technical & Community College, USA <a href="mailto:contactlori@yahoo.com">[contactlori@yahoo.com]</a>
Directors [2]	Ami Friedman Science educator & International Baccalaureate (IB) Diploma Programme Coordinator, Walled Lake Western High School, USA <a href="mailto:AmiFriedman@wlcsd.org">[AmiFriedman@wlcsd.org]</a> Ricardo Karam Science Education, University of Copenhagen, Denmark <a href="mailto:ricardo.karam@ind.ku.dk">[ricardo.karam@ind.ku.dk]</a>
Student Member	Yann Benétreau-Dupin Philosophy, University of Western Ontario, Canada <a href="mailto:ybenetre@uwo.ca">[ybenetre@uwo.ca]</a>
Teacher Member	Garrett Hall Southeast Polk High School, Iowa, USA <a href="mailto:hallgt@gmail.com">[hallgt@gmail.com]</a>
Nominating Committee [4]	Agustín Adúriz-Bravo Science Education, University of Buenos Aires, Argentina <a href="mailto:adurizbravo@yahoo.com.ar">[adurizbravo@yahoo.com.ar]</a> Elizabeth Cavicchi Science Instructor, Edgerton Center, MIT, USA <a href="mailto:ecavicch@mit.edu">[ecavicch@mit.edu]</a> Andreia Guerra Science Education, Federal Center of Technology of Rio de Janeiro, Brazil <a href="mailto:andreia.guerra96@gmail.com">[andreia.guerra96@gmail.com]</a> Benjamin Herman Science Education, University of Missouri, USA <a href="mailto:hermanb@missouri.edu">[hermanb@missouri.edu]</a> <a href="mailto:bcherman123@gmail.com">[bcherman123@gmail.com]</a>

## # Coming Conferences

June 15-18, 2015, ‘Baltic Symposium on Science and Technology Education’, Siauliai, Lithuania

Details at: <http://www.scientiasocialis.lt/balticste>

June 22-26, 2015, HPS & Science Education Graduate Student Summer School, Lille, France

Details at: <http://summerschoollille2015.historyofscience.it/index.php/en/>

July 22-25, 2015, 13<sup>th</sup> IHPST International Conference, Rio de Janeiro, Brazil

Details at: <http://www.abq.org.br/ihpst2015/>

August 3-8, 2015, 15<sup>th</sup> Congress of Logic, Methodology, and Philosophy of Science, Helsinki, Finland

Details at: <http://www.helsinki.fi/clmps>

August 31 – September 4, 2015, European Science Education Research Association (ESERA), Helsinki, Finland

Details at: <http://www.esera.org/announcements/esera-announcements/esera-bi-annual-conference-to-be-held-in/>

March 14-17, 2016, NARST annual conference, Baltimore, USA

Details at: <http://www.narst.org/>

## # New IHPST Newsletter Format and Distribution

In 2015, the IHPST newsletter will get a new look and will be published quarterly by its new editor, Ami Friedman ([AmiFriedman@wlcsl.org](mailto:AmiFriedman@wlcsl.org)). This will contain book reviews and all the other enhanced information that used be present in the old web-based newsletter format (<http://ihpst.net/recent-newsletters/>)

In the meantime, the IHPST is increasing its presence online. You can like us on Facebook ([facebook.com/IHPSTgroup](https://www.facebook.com/IHPSTgroup)) and follow us on Twitter ([twitter.com/IHPSTgroup](https://twitter.com/IHPSTgroup)) for announcements about the organization, new books, upcoming conferences.

In the coming weeks, instructions on how to subscribe to the new newsletter will be communicated on our website ([ihpst.net](http://ihpst.net)), in the next issues of the newsletter, as well as on social media.

## **# Email List**

This email list consists of about 6,000 individuals with interests in History, Philosophy and Science and Mathematics Teaching. They are referred to as 'IHPST Colleagues' as distinct from the much smaller group of paid, financial members of the IHPST group. The email list is used sparingly to send HPS&ST information such as contained in this message. It is a closed list, not an open discussion list.

Relevant HPS&ST information to be considered for inclusion in the monthly note should be sent direct to [m.matthews@unsw.edu.au](mailto:m.matthews@unsw.edu.au)

If you receive this email message and wish to remove yourself from the list, simply send an email message to: [ihpst-group-unsubscribe@lists.unsw.edu.au](mailto:ihpst-group-unsubscribe@lists.unsw.edu.au) . There is no need for a subject header or any message; the email itself suffices for removal from the list.

Alternatively, if you have friends, colleagues or students who would like to subscribe to the list, tell them to send a message to: [ihpst-group-subscribe@lists.unsw.edu.au](mailto:ihpst-group-subscribe@lists.unsw.edu.au) . There is no need for subject header or any message; the email itself suffices for addition to the list.