

History of Physics Division Fachverband Geschichte der Physik (GP)

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19th Symposium of the History of Physics Division “Communicating Physics in History” Communicating Physics through its History”

Writing papers, gauging instruments, teaching at school or chatting over coffee: these are just a few ways in which physical knowledge is communicated, and many more exist today or have existed in the past. In the last decades research in the history, sociology and didactics of the sciences has investigated the communication of scientific knowledge, underscoring the relevance for the development of existing fields, the emergence of new ones and the shaping of scientists’ identities and communities. These reflections also apply to the past and present of the physical sciences and the contributions to the conference are invited to reflect all aspects of this diversity.

We understand here “communicating physics” in a broad sense, encompassing formal and informal communications among physicists, teaching at university and school level and public outreach. Beyond that, it also includes the transfer, appropriation and assimilation of knowledge between different cultures, such as interdisciplinary cooperation between physicists and scientists from other disciplines or knowledge transfer in colonial contexts or within processes of globalization.

Furthermore we want to address also another perspective of communication in physics: Communicating Physics through its History. We want to ask how the history of physics is used in the communication of physics today: The communication of physics through its history in formal education as well as through mass media, museums, archives and at public sites.

Overview of Invited Talks and Sessions (Lecture hall GP-H7)

Plenary Talk by Allison Marsh

PV IV	Wed	9:00– 9:45	Audimax	Teaching with Objects and Teaching with Video: The Challenges of Informal Education in Physics — ●ALLISON MARSH
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Invited Talks

GP 1.1	Mon	13:30–14:00	GP-H7	The development of The Lorentz Lab: bringing the scientific history of Teylers Museum to life with working replicas — ●TRIENKE VAN DER SPEK
GP 1.2	Mon	14:00–14:30	GP-H7	Physics in Information Comics — ●HEIKE ELISABETH JUENGST
GP 1.3	Mon	14:30–15:00	GP-H7	Jenseits gewohnter Pfade: Ausstellungen neu denken — ●CHRISTIAN SICHAU

Invited Talks of the joint symposium The Nature of Science (SYNS)

See SYNS for the full program of the symposium.

SYNS 1.1	Tue	14:00–14:30	Audimax	The Role of Nature of Science Education for Science Media Literacy — •DIETMAR HÖTTECKE
SYNS 1.2	Tue	14:30–15:00	Audimax	What kinds of identities are deemed in/our of place in physics? — •LUCY AVRAAMIDOU
SYNS 1.3	Tue	15:00–15:30	Audimax	Some thoughts on the status of theoretical physics — •DANIEL HARLOW

Sessions

GP 1.1–1.3	Mon	13:30–15:00	GP-H7	Communicating Physics and its History (joint session GP/DD)
GP 2.1–2.3	Mon	15:30–16:30	GP-H7	History and Teaching
GP 3.1–3.2	Mon	17:00–17:40	GP-H7	Physics and Media
GP 4	Mon	18:00–19:00	GP-MV	Meeting of Early Career Scholars
GP 5.1–5.5	Tue	10:30–12:30	GP-H7	Physics and the Museum
GP 6.1–6.3	Tue	16:15–17:15	GP-H7	Physicists as Popularisators
GP 7	Tue	17:45–19:45	GP-MV	Annual General Meeting
GP 8.1–8.3	Wed	10:30–11:30	GP-H7	Physics and Instruments
GP 9.1–9.4	Wed	15:40–17:00	GP-H7	History of Physics
GP 10.1–10.1	Wed	18:00–18:20	GP-H7	Physics and Culture

Annual General Meeting of the History of Physics Division

Tuesday, March 22, 2022 17:45–19:45 GP-MV

Come Together for Early Career Scholars

Monday, March 21, 2022 18:00–19:00 GP-MV

Ansprechpartnerin: Julia Bloemer (j.bloemer@deutsches-museum.de)