

The Nature of Science

jointly organised by
 the Physics Education Division (DD),
 the History of Physics Division (GP),
 the Gravitation and Relativity Division (GR), and
 the Theoretical and Mathematical Physics Division (MP)

Christian Forstner
 Ernst-Haeckel-Haus - Wissenschaftsgeschichte
 Friedrich Schiller University Jena
 christian.forstner@uni-jena.de

For some decades, the term “Nature of Science” has given a headline to discussions in the history and philosophy of science about the ways in which science is developed by people within certain personal, historical, social and theoretical frameworks. Likewise, science education has considered what understanding of the nature of science learners hold and how such an understanding is developed and might be guided and supported.

In this symposium we take up new and challenging perspectives on and developments in science and society to enhance the discussion. The perspectives presented in the contribution to the symposium relate to three different aspects:

Lucy Avraamidou will share empirical results about the role of women and their representation in science. Developments in theoretical physics as well as their growing discrepancies to ongoing structural practices will be discussed by Daniel Harlow. As a completion, the change in medial communication and its effect on the discussion of scientific results and knowledge with a special emphasis on the role of social media will be presented by Dietmar Hoettecke.

Overview of Invited Talks and Sessions

(Lecture hall Audimax)

Invited Talks

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

SYNS 1.1–1.3	Tue	14:00–15:40	Audimax	The Nature of Science
--------------	-----	-------------	---------	------------------------------