

AKC 1: Diversity in Physics

Time: Monday 15:15–16:15

Location: H1

Invited Talk AKC 1.1 Mon 15:15 H1
Gender and Diversity Studies as a Tool to Overcome Social Inequalities in Physics — •HELENE GÖTSCHEL — Technische Universität Darmstadt

When we teach natural science to future scientists and engineers we are teaching more than facts, methods and concepts. We teach the ‘hidden curriculum’. Teaching physics e.g. means that we transmit representations and norms of physical talent, technological competence, heroes in the history of physics, presumptions of heterosexual normativity, and hegemonic masculinity to the students. In doing so, we encourage some (male, white, middle class) students and erect barriers for others (female, students of colour, working class).

Gender and Diversity Studies is a framework to reflect on the reproduction of social inequalities. It can be understood as an eye opener for the gendered, classed and raced politics of knowledge-producing processes. In my talk I will offer some examples from my recent teach-

ing practice and exploratory research as a physics professor to offer an inviting, open, and encouraging lecture format that overcomes social inequalities in physics education.

Discussion AKC 1.2 Mon 15:45 H1
Diversity in Physics? — •ANDREA B. BOSSMANN¹, FRANZISKA KAISER¹, and HELENE GÖTSCHEL² — ¹Technische Universität Berlin — ²Technische Universität Darmstadt

Still today, the environment in physics departments and research institutes in Germany appears to be quite homogeneous: the vast majority of physicists is cis-male, white and heterosexual. Why is it like this and what are its implications?

In this session, we aim to open a space for discussion and empowerment. The session will start with a brief overview and talk. Then a moderated discussion will follow in which everyone in the audience is invited to participate. We are looking forward to discussing with you!