



Contribution ID: 201

Type: Talk

【60】 The Experience of a Physicist at ABB Corporate Research - Research and Development in the Context of the Energy Transition and in a Corporate Environment

Wednesday 29 August 2018 17:30 (20 minutes)

My scientific career started with theoretical particle physics and became increasingly more applied: Following my experimental PhD focussing on quantum electronics at the ETH Zurich, I started industrial R&D in the “Applied Physics Group” at ABB Corporate Research. Here, I deal with a variety of topics including thermal management, electrical properties of polymers, multi-energy systems, and energy storage.

In my presentation, I will point out differences between academic and industrial research, based on my experience and using the example of two projects: one in ‘airborne wind energy’ and the other one in energy storage. I will conclude with some final remarks regarding physics –as a knowledge base and a way of thinking –and being a physicist in industry.

Author: Dr SCHNEZ, Stephan (ABB Switzerland)

Presenter: Dr SCHNEZ, Stephan (ABB Switzerland)

Session Classification: Physics Beyond University

Track Classification: Physics Beyond University