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Connecting Physics, Technology Innovation and Sustainable Development in the High School Science Classroom

Wednesday 23 August 2023 17:00 (15 minutes)

Interest of youth in STEM, and especially physics and engineering studies, is declining,even though new generation of specialists is needed to ensure the continuation of cutting-edge research, primordial for innovation, economic progress and sustainable development. New
pathways are to be found to inspire more young talents to become physicists and STEM specialists. Putting these branches to real-life context including sustainable development, provides a powerful tool to foster students interest and appreciation.

Pilot project called Youth@STEM4SF (Youth at STEM for Sustainable Future) launched in Switzerland in May 2023 with support of Swiss Physical Society (SPS), Swiss Academy of Natural Sciences (SCNAT) and foundation “education21”, presents physics and STEM in context with real life and sustainable development and integrates innovative applied R&D in physics-based industry in the innovative high-school program. It aims to engage young talents, especially girls, for physics and other basic sciences studies and teach future society leaders on value of science in our lives and for sustainable future. The impact in terms of change of interest and attitude was measured, and first results are more than encouraging.

Collaboration / Activity

University of Bern / S4SF

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