

Lecture proposal

General Scientific Meeting BPS

2019

Lecture title	Using technology to provide pupils access to the best physics teachers.
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Education	Msc in Physics Specialisation: Education (University of Antwerp) Specialisation: Nanophysics (Université de Pierre et Marie Curie, Paris VI) Teacher (University of Antwerp)
Job experience	Teacher at secondary schools (physics, mathematics) Lecturer at University of Antwerp (physics, statistics) Self-employed tutor (physics, mathematics, statistics)
Lecture description	<p>Schools are facing vacancies for physics teachers, due to an increasing amount of pupils and a limited number of physicists choosing to go into education. In a desperate attempt to fill these vacancies, some schools are now forced to employ whoever is willing to do the job. This can result in poor physics teaching, which in turn increases demand for tutoring. This is causing a boom in tutoring institutions to the point where they themselves are now unable to find enough tutors to meet demand.</p> <p>Domien Van der Elst started his own tutoring company in 2018. He is currently developing online physics courses based on interactive videos. His goal is to provide the best physics education to as many pupils as possible. This will be done by offering a curated website with interactive physics courses. These courses will be created in collaboration with passionate physics teachers, who possess a treasure trove of knowledge and expertise. Once finished, this platform could be used by secondary schools or by parents/pupils in search of an affordable tutor.</p> <p>The purpose of this lecture is to discuss the current challenges in secondary school physics education, as well as a demo of the project Domien Van der Elst is working on. Feedback from the audience will be appreciated!</p>

