

Contribution ID: 166

Type: **Presentations in Guayaquil**

Indirect Measures from Using a Remotely Controlled Experiment

Wednesday 15 December 2021 17:00 (20 minutes)

This study aimed to present and evaluate, in comparison with face-to-face experimental activities, the educational impact of a remotely controlled experimental activity. For this purpose, two experimental equipment was built for use with students and teachers of different classes of the 1st year of high school in five public schools in the State of São Paulo. Before and after the experimental activities, a pre-test and a post-test were applied together to the students. The data showed that the experimental activity performed remotely contributed significantly to the students' learning when compared to the experimental activity performed in person.

Primary author: Dr MONTEIRO, Marco Aurélio Alvarenga (UNESP/Guaratinguetá)

Co-authors: Ms RODRIGUES, Fredy Coelho (IFSULDEMINAS); Prof. CARVALHO, Samuel José (UNESP/Guaratinguetá); Prof. BIANCHI, Tiago Torres (UNESP/Guaratinguetá); Ms OLIVEIRA, Alvaro de Freitas Oliveira (Secretaria do Estado de Educação do Estado de São Paulo)

Presenters: Dr MONTEIRO, Marco Aurélio Alvarenga (UNESP/Guaratinguetá); Ms RODRIGUES, Fredy Coelho (IFSULDEMINAS)

Session Classification: Parallel 8 - Wrocław/Guayaquil

Track Classification: 5. ICT and multimedia in physics education