

CSAAPT Spring 2022 Semi-Virtual Meeting



Chesapeake Section of the
American Association of Physics Teachers
Spring 2022 Semi-Virtual Meeting
April 2, 2022 @ **RADFORD** UNIVERSITY

Contribution ID: 15

Type: **Demo**

Using a hand held DC Generator for a Hands-on Electrical Learning experience.

Saturday, April 2, 2022 4:45 PM (15 minutes)

Having the students use a handheld DC generator to investigate electrical circuits containing light bulbs, is very “enlightening”. They can experience the relationship between the force needed to turn the crank, the rotational rate and the lighting effects. The fact that the turning rate of the generator is proportional to the voltage output, and that they can “feel” the force needed to turn the crank, makes this all possible. We will have a mini-workshop where, in a small group, you can investigate series and parallel circuits with the use of a handheld 6V DC generator.

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Session Classification: Afternoon Session 2