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Virtual Laboratories for Remote Teaching

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The pandemic timeline has turned out to be much longer than initially expected, and the need for a remote teaching still remains. The immediate switch to the remote teaching that happened due to COVID-19 in March 2020, not surprisingly, had the greatest detrimental effect on laboratory components of physics courses. Smaller courses during summer time allowed us to test different approaches and more adequately prepare for large-enrollment classes for the Fall 2020 semester. The main decision was to choose between the labs using real data and simulations-based labs. I will touch upon the challenges and successes of running the live lab sessions on teleconferencing platforms such as Zoom. Some elements, like pre-recorded introductions to the labs, methods of lab reports collections and grading online will remain well beyond the pandemic.

Author: Dr ANTIMIROVA, Tetyana (Ryerson University)

Presenter: Dr ANTIMIROVA, Tetyana (Ryerson University)

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