



SPEAKER: Christian Mueller

TITLE: **PHYSTAT Seminar: A general introduction to continuous optimization**

DATE: 20 Nov 2019, 11:00

PLACE: 503/1-001 - Council Chamber

ABSTRACT

In this talk, I will give an introduction to the field of continuous optimization. I will provide instances of optimization problems that appear in biology and physics through the concept of optimization landscapes. I will review sampling-based approaches as well as gradient-based methods and focus on concepts rather than derivations of specific algorithms. The lecture is intended for a general audience and will give some recipes for how to think about optimization in general. I will also give some examples related to deep learning if time permits.

Organised by: M. Girone, M. Elsing, L. Moneta, M. Pierini Event
co-organised with the [PHYSTAT
Committee](<https://espace.cern.ch/phystat>) **Coffee
will be served at 10h30**