PHYS-818

EDPY Quantum computing hard- and software 2022

Savona Vincenzo

Cursus	Sem.	Type
Physics		Opt.

Language of teaching	English
Credits	2
Session	
Exam	Project report
Workload	60h
Hours	**39**
Courses	28
Exercises	7
TP	3.5
Number of positions	**50**

Frequency

Only this year

Remark

Registration via https://qchs2022.epfl.ethz.ch/. June 13th - 17th 2022

Summary

See content

Content

The promise of opening up a whole new field of information technology has led to a rapid development of laboratory level quantum research into an emerging technology sector with huge transformative potential. A new generation of physics and engineering students is aiming to become the workforce that will ultimately fulfill this promise. The Quantum Computing Hard- and Software summer school aims to create an opportunity for those students to extend their knowledge as well as to connect to leading players in industry and academia across Switzerland and abroad.

Note

Tuition fees: CHF 250.- for PhD candidates, CHF 100.- for Master students

EPFL PhD Students (organizers):

David Schlegel: david.schlegel@epfl.ch
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Keywords

quantum computing, quantum algorithms, quantum simulation, quantum chemistry, quantum hardware platforms