

MSE-806

Spin-based devices for neuromorphic computing

Grundler Dirk

Cursus	Sem.	Type
Materials Science and Engineering		Opt.

Language of teaching	English
Credits	2
Session	
Exam	Project report
Workload	60h
Hours	44
Courses	24
Exercises	20
Number of positions	30

Frequency

Only this year

RemarkRegistration via website: <https://neurospin-school2022.epfl.ch>**Summary**

The course entails a 5-days-program with lectures and exercises about spin-based computing and novel spin texture-based computing devices. An additional round table discussion and journal club session provide further knowledge about recent trends and challenges in the field.

Content**Note**

Lecture+QA session: 18+8= 26 hours, Exercise+Journal club: 14+4 =18 hours

Keywords

neuromorphic computing, spin, magnetic materials, devices

Assessment methods

Project report

Resources**Websites**

- <https://neurospin-school2022.epfl.ch>