

Kis Andras				
Cursus	Sem.	Туре	Language of	English
Materials Science and Engineering		Obl.	teaching	English
			Credits	2
			Session	
			Exam	Written
			Workload	60h
			Hours	30
			Courses	24
			Exercises	3
			TP	3
			Number of	30
			positions	

Frequency

Only this year

Remark

28.08.2023-01.09.2023 Registration via https://2dexcitons-school23.epfl.ch/

Summary

Optically excited 2D materials, host electron-hole pairs called excitons with high binding energies and long lifetimes. Deterministically stacked 2D materials form vdW heterostructures with versatile stacking configurations, making them highly versatile and potentially useful for applications.

Content

Keywords

2D Materials, Excitons, van der Waals heterostructures, Emergent phenomena, light-matter interaction.

Assessment methods

Written exam

Resources

Websites

https://2dexcitons-school23.epfl.ch/

