

## Lecture "HyperSpy: theory and applications"

*Thursday, 16 September 2021 15:00 (1 hour)*

HyperSpy (<https://hyperspy.org/>) is an open-source Python package for the analysis of multi-dimensional datasets. In its fourteen years of existence, its community of developers has taken it from being a simple collection of scripts for electron energy-loss data analysis to become the core of a multidisciplinary software ecosystem. In this talk, I will its evolution, ecosystem, main features and structure—all illustrated with a bit of theory and applications. I will also briefly describe how to contribute to HyperSpy and how to create your own HyperSpy extension.

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