

Lecture

**Umwelphysik / Energie**

(LV-Nr. 6200112)

Lecturer:	Dr. Davide Vanzo, Prof. Mário Franca		
Time:	Thursday, 14:00 to 15:30		
Place:	Building: 10.50 (L+E)	Room:	KI. HS (L+E)
Is offered in:	Winter Semester		

Content:

Energy production from renewable resources is pivotal to sustain the energy transition and reduce carbon emissions. The production of energy is ultimately based on physical principles to extract energy from earth, water, sun and other components. In this course, we introduce the main principles of renewable energy production and discuss main opportunities and challenges. The course is structured as a seminar series, with lectures on (but not limited to): hydropower, hydrogen, wind energy, photovoltaic and solar thermal, geothermal and biofuels.



Urft Dam, Eifel National Park<sup>1</sup>



Wind turbine in Hannover-Marienwerder<sup>2</sup>

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