



Giornata Internazionale delle Donne nella Scienza

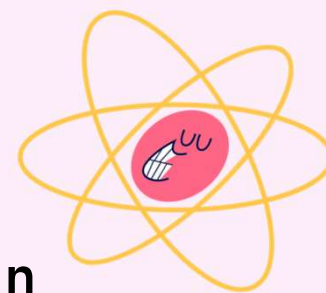
IMEM Edition

11 febbraio 2025

Eleonora Rusconi

❖ I have a bachelor's in Industrial Engineering and a master's in materials science

❖ Currently, I work at IMEM, in Parma, as PhD candidate of the  European project



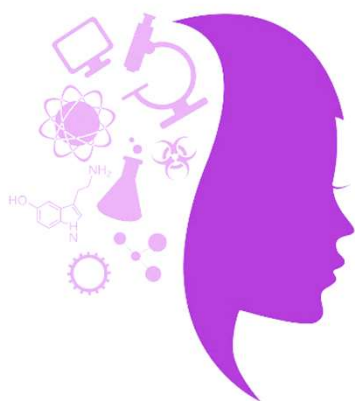
❖ I focus on the synthesis and investigation of **metamagnetic Heusler's for thermomagnetic low-grade waste heat (40 – 100°C) harvesting.**

❖ Thanks' to collaborations with project partners, the selected materials will be embedded into thermomagnetic generators ranging from micro to macro scale and covering a broad range of electrical power (10 μ W – 100 W).



The European Union produces ~ 8000 Petajoules of low-grade waste heat yearly

Luberti, M., Gowans, R., Finn, P., & Santori, G. (2021). An estimate of the ultralow waste heat available in the European Union. *Energy*, 238, 121967. <https://doi.org/10.1016/j.energy.2021.121967>



INTERNATIONAL DAY
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