



The best European
Master's Degree in
Microelectronic
Design



**Leidy Mabel Alvero
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She graduated in Biomedical Engineering from the Universidad Tecnológica de la Habana José Antonio Echevarría in 2014.

She worked for two years at the Electronics Department of the Neurosciences Centre of Cuba, developing stimuli for the recording of auditory brainstem potentials. She started a Master's in Electronic Systems and Applications at Madrid's Universidad Carlos III with a full scholarship, which she completed in 2018 and is continuing with PhD studies. As a PhD student, she specialises in the implementation of time-encoded data converters built with ring oscillators, developing solutions to address the main limitations of this type of ADC, mainly for communication applications, for use in nanometric technologies. She completed her doctoral studies in 2022 and started a one-year postdoctoral at the same university, focusing on sensing of electrophysiological signals for wearable devices. She is currently part of the design team for analogue and mixed-signal integrated circuits at ams OSRAM (Valencia).



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