
**PhD position (M/F) in the
EU HORIZON 2020 MSCA-ITN TReSPAsS-ETN**
(Reference: SN_MT_PhD_e2eASVantispoofing_022020)

Title	Evolutionary and end-to-end learning for ASV anti-spoofing
Department	Digital Security
Publication date	02/2020
Start date	1 st June 2020
Duration	Duration of the thesis
Description	While progress in anti-spoofing for speaker recognition has been rapid in the last few years, most spoofing countermeasures still fail to generalise well to different forms of spoofing attack (e.g. to those seen during training). Motivated by the success of their application to automatic speaker recognition itself, this project will research the application of deep learning technologies to the anti-spoofing problem. Specifically, the PhD programme will investigate the use of attention mechanisms to help identify salient information (rather than being applied blindly), evolutionary approaches (so that solutions can adapt to new forms of spoofing), end-to-end approaches (so that they operate on time-domain signals instead of being limited to hand-crafted features) and approaches to combine solution to the two different problems, spoofing detection and automatic speaker recognition.
Eligibility	Please, visit the recruitment page at https://www.trespass-etn.eu/recruitment.html for MSCA-ITN eligibility rules.
Requirements	The successful candidate will have a Master's degree in engineering, mathematics, computing, physics or a related relevant discipline. You will have strong mathematical, programming and communication skills and be highly motivated to undertake challenging research. Good English language speaking and writing skills are essential. French language skills are a bonus.
Application	Please, send to the email address below (i) a detailed Curriculum Vitae, (ii) a motivation letter of two pages also presenting the perspectives of research and education (iii) names and addresses of three references (preferably one from your final year project supervisor) no later than 30th April 2020 .
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EURECOM specifically encourages women to apply with a view towards increasing the proportion of female researchers.

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