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NEWSLETTER #6

GAPNOISE News!

Entrepreneurship Training at ESADE Business School

From 26th to 29th May 2026, the GAP_NOISE doctoral candidates travelled to Barcelona to attend the Introductory Crash Course in Entrepreneurship (ICCE) at ESADE Business School, one of Europe's leading management schools. The intensive four-day programme complemented the fellows' technical training with the business and entrepreneurial skills needed to turn scientific research into real-world innovation and impact.

Taught by ESADE faculty, the course was organized around four core themes. Prof. Jordi Vinaixa introduced the fundamentals of entrepreneurship, from spotting opportunities to shaping them into viable ventures. Prof. Xavier Ferràs led sessions on innovation and strategy, examining how organisations build and sustain competitive advantage in fast-moving markets. Prof. Teresa Corrales covered entrepreneurial finance — how early-stage ventures are valued, funded, and financially managed — while Prof. Toni López-Carrasco closed the week with intellectual property rights management, a subject of direct relevance to researchers looking to protect and commercialise their results.

Combining lectures, case studies, and interactive discussion, the course gave the fellows a practical toolkit for navigating careers across both academia and industry, while offering another welcome opportunity to strengthen ties within the consortium.

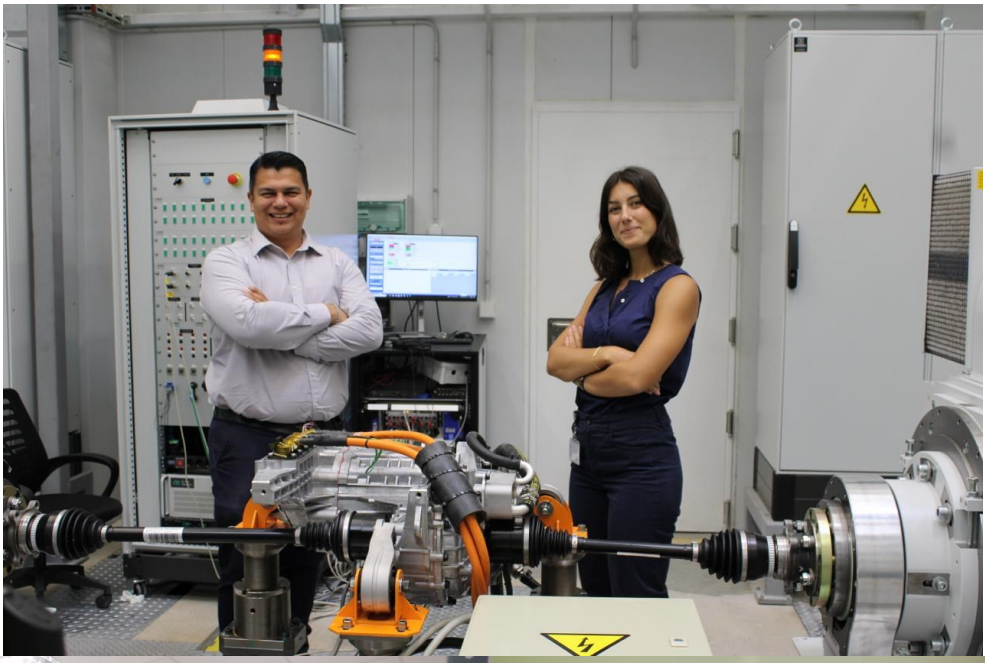


This project has received funding from the European Commission Horizon Europe Programme under Grant Agreement No. 101073014

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Secondments of GAP NOISE fellows

Secondments are a central feature of the MSCA Doctoral Networks model, giving doctoral candidates first-hand experience in complementary academic and industrial environments beyond their host institutions. Over recent months, three GAP_NOISE fellows have undertaken secondments with consortium partners: Ludovica Luciano at IDIADA (Spain), Francisco Ulloa at the Universitat Politècnica de Catalunya (UPC) in Barcelona, and Luyao Dong at VIRTUAL VEHICLE Research GmbH in Graz, Austria. These exchanges give the fellows access to new expertise, facilities, and perspectives, while further strengthening the collaborative links that underpin the project.







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GAP_NOISE at ISNVH 2026 - 9 publishes and Best Paper Award

From 17th to 19th June 2026, the GAP_NOISE consortium made a strong showing at the 14th International Styrian Noise, Vibration & Harshness Congress (ISNVH) in Graz, Austria. Organized by VIRTUAL VEHICLE Research GmbH in cooperation with SAE International, ISNVH is the premier European NVH event dedicated to mobility, and the 2026 edition marked a special milestone: 25 years of the congress.



The consortium's presence was especially notable, with nine GAP_NOISE doctoral candidates presenting their work as peer-reviewed SAE Technical Papers. Their contributions spanned the full breadth of the project — from psychoacoustics and vehicle interior sound quality to vibro-acoustics, electric-powertrain NVH, and structural dynamics — underlining the depth of GAP_NOISE's scientific output. *(Full references for all nine papers are listed at the end of this newsletter.)*

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A particularly proud moment for the GAPNOISE came when our fellow Ludovica Luciano received a Best Paper Award for her work on analytical magnetic circuit modelling and parameter estimation of a PMSM. Congratulations, Ludovica! This strong representation at ISNVH 2026 reflects GAP_NOISE's active role in advancing the state of the art in vehicle NVH and its commitment to sharing results with the wider international research community.

Publications — GAP_NOISE at ISNVH 2026

del Fresno Zarza, J., & Naets, F. (2026). *Experimental validation of frame-dependent gyroscopic frequency splitting in a freely rotating tire using wireless MEMS accelerometers and scanning laser Doppler vibrometer* (SAE Technical Paper No. 2026-01-0700). SAE International. https://doi.org/10.4271/2026-01-0700

Dong, L., Cai, Y., Denayer, H., & Deckers, E. (2026). *Robustness analysis of a computationally efficient time domain virtual sensing framework for exterior vibroacoustic problems* (SAE Technical Paper No. 2026-01-0721). SAE International. https://doi.org/10.4271/2026-01-0721

Khamis, M. A., Tatar, A. A., Repecho, V., & Doria-Cerezo, A. (2026). *Influence of common-mode voltage reduction techniques on high-frequency sideband vibrations in IPMSM drives for EVs* (SAE Technical Paper No. 2026-01-0695). SAE International. https://doi.org/10.4271/2026-01-0695

Li, Z., Parizet, E., & Colangeli, C. (2026). *The influence of interior noise on just-noticeable speed differences in conventional and electric vehicles* (SAE Technical Paper No. 2026-01-0671). SAE International. https://doi.org/10.4271/2026-01-0671

Luciano, L., Doria-Cerezo, A., & Salamone, N. (2026). *Analytical magnetic circuit modeling and parameter estimation of a PMSM for spatial harmonics and radial forces characterization* (SAE Technical Paper No. 2026-01-0677). SAE International. https://doi.org/10.4271/2026-01-0677

Muthu Chaiphas, J. D., Cuenca, J., Bianciardi, F., Colangeli, C., Deckers, E., Denayer, H., & Janssens, K. (2026). *Vibration synthesis and seat dynamics compensation for single-axis seat vibrations in driving simulators* (SAE Technical Paper No. 2026-01-0673). SAE International. https://doi.org/10.4271/2026-01-0673

Pirro, G. B., Nijman, E., Deckers, E., & Denayer, H. (2026). *Single microphone sound source localisation in partially known environments using sequential spatial sampling* (SAE Technical Paper No. 2026-01-0681). SAE International. https://doi.org/10.4271/2026-01-0681

Salazar Colunga, R., Pandiya, N., Dindorf, C., & Naets, F. (2026). *Joint estimation of inputs and states for multi-axis vibration environment testing* (SAE Technical Paper No. 2026-01-0683). SAE International. https://doi.org/10.4271/2026-01-0683

Tincani, S., Claeys, C., Deckers, E., Pandiya, N., & Dindorf, C. (2026). *Improving reliability of an automotive power electronic unit using locally resonant metamaterials* (SAE Technical Paper No. 2026-01-0701). SAE International. https://doi.org/10.4271/2026-01-0701

If you want to be updated on the evolution of our Doctoral candidates and their automotive specialisation fields check our webpage and follow us on our social media channels:

https://gapnoise.eu/

https://twitter.com/GAP_NOISE

https://www.instagram.com/gap_noise/

https://www.linkedin.com/in/gapnoise-doctoral-network-41887926b/

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