



NATIONAL PH.D. SCHOOL IN MICRO  
AND NANO ELECTRONICS

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*Industrial Topics in Microelectronics and Photonics - Seminars*

## Challenges in current sensing design for industrial power-IC



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**Abstract:** Industry 4.0 and follow up evolutions require connecting and delivering power across long distances. Leading the Intelligence at the edge is the need in such complex infrastructures.

Power Efficiency and system diagnostics such as telemetry are crucial to meet this goal, delivering solutions in the Industrial and automation market.

This work describes how are the challenges in designing a current sensing in a Power-IC actuator designed for this application.