

Curriculum Vitae

[SANZ BOBI, Juan de Dios]

CURRENT POSITION

Name of company

Universidad Politécnica de Madrid

Job position

Professor.
Mechanical Engineering Department

PROFESSIONAL BACKGROUND

Researcher and professor with more than 30 years of international experience in railway safety, signalling, ERTMS, CBTC, RAMS, electromagnetic compatibility, rolling stock, energy systems and digital railway technologies. Extensive involvement in European research and innovation programmes (FP6, FP7, H2020 and HE), railway standardisation (CEN/CENELEC, ISO, IEC) and independent technical assessment.

Professional career includes: Professor at UPM (2011–present), Assistant Professor at UPM (2006–2011), Head of Research on Railway Technology at Fundación para la Innovación Industrial (2001–2006), and Train Detection & Protection System Engineer at Alcatel España (1992–2001).

EDUCATION AND TRAININGS:

- PhD in Industrial Engineering (Process Control & Artificial Intelligence), Universidad Politécnica de Madrid, 2002
- Industrial Engineer (Electronics, Control & Informatics), Universidad Politécnica de Madrid, 1992

EXTRAS:

- Chairperson / Convenor of CEN-CENELEC JTC20 Hyperloop and active expert in several railway standardisation committees.
- Technical Expert for ENAC (Spain) and IPAC (Portugal) in inspection (ISO 17020), laboratory (ISO17025) and certification (ISO 17065) activities in rail market (CCS, ENE, OPE).
- Member of UNECE Spanish Delegation (Transport & Logistics). Participation in expert groups for Sustainability of the Value Chain, Single Window Domain, UN Verifiable Trade Documents (UNVTD).
- Publications: ORCID-ID 0000-0002-8039-8527. Scopus ID: 2433314740
- UPM Scientific profile: <https://portalcientifico.upm.es/en/ipublic/researcher/305831>