

Rui Calçada

Current position: Full Professor of Faculty of Engineering of the University of Porto (FEUP); Head of Civil Engineering Department; Coordinator of CSF - Centro de Saber da Ferrovia - Centre of Competence of FEUP in the field of railways; Member of the Scientific Council of FEUP.

Education: Degree in Civil Engineering from FEUP (1992); Master in Civil Engineering Structures from FEUP (1995); PhD in Civil Engineering from the University of Porto (2003); Habilitation in Civil Engineering from the University of Porto (2013).

Main research interests/skills: Advanced models for analysis of the train-infrastructure dynamic interaction; dynamic effects on bridges and transition zones; fatigue assessment of railway bridges; track-structure interaction; railway condition monitoring systems (wayside and on-board); advanced algorithms based on AI techniques for condition monitoring of the railway infrastructure.

Other relevant information: Director of the Doctoral Program iRail-Innovation in railway systems and technologies; Member of the editorial board of the International Journal of Railway Technology; Responsible for the participation of FEUP in European projects CAPACITY4RAIL, IN2RAIL, RISEN, IN2TRACK2, IN2TRACK3 and in SwiTrack'EN consortia, associated member of Joint Undertaking SHIFT2RAIL; Member of the Board of Directors of the Portuguese Railway Platform (PFP); President of Strategic Council of PFP.