CURRICULUM VITAE FOR Dr NENAD DJORDJEVIC

PERSONAL PROFILE

Dr Nenad Djordjevic is a Senior Lecturer in Mechanical Engineering at Brunel University London, Research Centre Director (Centre for Assessment of Structures and Materials under Extreme Conditions) and a course director of an MSc programme with 18 years of experience in research and teaching. He has been working in the field of applied and computational solid mechanics on development of linear and non-linear numerical codes (FEM and SPH) for dynamic analysis of solids and structures. His teaching portfolio includes teaching at undergraduate and postgraduate level, including the MSc programmes coordination, modules development and delivery, students projects supervision, and delivery of Continuous Professional Development (CPD) courses.

The main area of Nenad's research is development of constitutive models in the framework of thermodynamics and configurational mechanics, applicable to dynamic analysis of metals and composites, and to the finite deformation problems. In particular, his research is oriented towards damage and structural integrity analysis, simulation led design to support lightweighting, and simulation of a range of impact and crashworthiness problems in aerospace, naval and automotive industry. Another area of interest is design and application of experimental techniques for characterisation of dynamic behaviour of materials, including characterisation of composites. Nenad has been involved in several European programmes, including a WP lead in the Horizon2020 project EXTREME, Working Group lead in COST Action HISTRATE, TEMPUS, FP6 and FP7 programmes and a number of industry sponsored projects, developed in collaboration with Rolls Royce, AWE, McLaren F1, Lotus F1 (currently Alpine), Catheram, Lockheed Martin, Office of Naval Research (USA) etc. He is a co-author of 25 papers, published in high impact journals, and over 50 publications presented at the international conferences.

Dr Nenad Djordjevic is a Fellow of Higher Education Academy with a Post Graduate Degree in Higher Education. His teaching activities have included: supervision of MSc students, supervison of the gorup design projects, post graduate module lead of six modules (Advanced Composite Analysis and Simulations, Structural Dynamics, Dynamics of Petroleum Structures, Impact Dynamics, and Numerical Modelling, Fatigue and Fracture); and contribution to the delivery of the CPD courses in Composite Materials Structures, Finite Element Modelling and Advanced CAE, which was a part of the Jaguar Land Rover Technology Accreditation Scheme (TAS). Nenad has been a supervisor of six PhD students and a Post Doctoral researcher.