

Biographical notes of Sergio Baragetti

Sergio Baragetti is Professor of Machine Design and Computational Mechanics at the Università degli Studi di Bergamo - Italy. He graduated in Mechanical Engineering in 1994 from Politecnico di Milano. His research activities include numerical and experimental study of the effects induced by surface treatments on the fatigue behaviour of mechanical components, *the study of the corrosion fatigue mechanisms in aqueous environments, the study of the surface thin hard coatings effects on the fatigue, contact fatigue and corrosion fatigue behaviour of mechanical components.*

Components and structures analysis: evaluation of the limit load for hydraulic actuators, evaluation of fatigue resistance for innovative railway undercarriages, study and optimisation of conical threaded connections for oil applications, design of devices for fatigue pluriaxial tests, design of crankshafts and connecting rods, design of components for lifting appliances, design of highly accelerated inert vibrating screening units and probabilistic analysis of components and structures.

He is the **Director of GITT - Centre on Innovation Management and Technology Transfer** of the University of Bergamo.

He is the **Director of the Structural mechanics Laboratory** of the University of Bergamo.

He is the **Delegate of the Rector** of the University of Bergamo for NETVAL – Network for the improvement of University research.

He is the **author** of more than **160 papers**: 50 on International Journals such as *ASME Journal of Mechanical Design, International Journal of Fatigue, IMECHE Proceedings Part C, Fatigue & Fracture of Engineering Materials & Structures, International Journal of Computer Applications in Technology, International Journal of Materials & Product Technology, Meccanica, Structural Durability & Health Monitoring, Key Engineering Materials, Recent Patents on Engineering, Advanced Materials Research, International Journal of Mechanical Sciences, Engineering with Computers, Surface & Coatings Technology, ASME Journal of Mechanical Design, International Journal of Computer Applications in Technology, International Journal of Fatigue, International Journal of Materials & Product Technology, Recent Patents on Engineering, Advanced Materials Research*; 30 presented during international conferences, 7 Italian books, **5 international books, 5 patents (2 of which international), 1 International Standard**, 60 papers on Italian journals and presented during national conferences.

Member of the Advisory Board of the *International Journal of Computer Applications in Technology*.

Regional Editor for the international journal *The Open Corrosion Journal*.

Section Editor for the international journal *The Open mechanical Engineering Journal*.

He is the **member of the Editorial Board** of *International Journal of Computer Applications in Technology, Structural Durability & Health Monitoring, The Open Mechanical Engineering Journal, Open Mechanical Engineering Reviews, Open Mechanical Engineering Letters, The Open Material Science Journal, Guest Editor of Key Engineering Materials, Recent Patents on Corrosion Science, The Open Corrosion Journal, The Open Biomaterials Journal, Journal of Control Engineering and Technology (IJCET), Advances in Microelectronic Engineering (AIME), Journal of Information Engineering (IE), Modelling and Simulation in Engineering*.

Member of the Editorial Board of *Advances in Fracture and Damage Mechanics VIII*, 2010 Trans Tech Publications Ltd, Switzerland.

Guest Editor for the international journals *Key Engineering Materials*, *International Journal of Computer Applications in Technology*, *International Journal of Materials & Product Technology*.

Referee for the international journals: ASME Journal of Mechanical Design, International Journal of Fatigue, International Journal for Numerical Methods in Engineering, Journal of Materials Processing Technology, International Journal of Solids and Structures, International Journal of Materials & Product Technology, International Journal of Computer Applications in Technology, Engineering Fracture Mechanics, Indian Journal of Engineering & Materials Sciences, Structural Durability & Health Monitoring, Fatigue and Fracture of Engineering Materials and Structures, The Open Material Science Journal, Surface Engineering, Recent Patents on Corrosion Science, The Open Corrosion Journal, Surface & Coatings Technology, Journal of Strain Analysis for Engineering Design, Open Materials Science Reviews, Materials Science & Engineering B, Mechanics based Design of Structures and Machines, Applied Mathematics and Computation, Transactions of FAMENA, Journal of Aerospace Engineering.

Referee for more than 10 International Conference.

Member of the International Scientific Committee for more than 10 International Conferences.

Bergamo, July 2012

prof. Sergio Baragetti



Prof. Dr. MEng. Sergio Baragetti, Ph.D.

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