

Edoardo Sabbioni graduated in Mechanical Engineering in 2002 at Politecnico di Milano, developing his MSc thesis in co-operation with FIAT Research Centre (CRF). In 2003 developed, as a temporary research fellow at Politecnico di Milano, a project titled: "Optimization of damping in vehicle suspensions in relation with active control systems" in co-operation with Ferrari S.p.A. He attended the postgraduate courses "Tyre Models for Vehicle Dynamics Simulation" in 2004 at the Technical University of Wien and "Dynamic Analysis of Vehicle Systems-Theoretical Foundations and Advanced Applications" in 2006 at the International Centre for Mechanical Sciences (CISM) in Udine. In 2007 he received a Ph. D. in Mechanical Systems Engineering and in 2008 he became Assistant Professor at the Department of Mechanical Engineering of Politecnico di Milano, where, in 2014, began his work as Associate Professor.

He is author or co-author of more than 120 scientific publications, most of which published on peer-reviewed journals or presented at international conferences. In 2005 his paper "A new methodology for vehicle sideslip angle identification: comparison with experimental data" was awarded with the *Best Presentation Award* at the 19th IAVSD (International Association for Vehicle System Dynamics) Symposium.

His research activity is mainly carried out in the field of stability, dynamics and control of mechanical systems, with applications to road and rail vehicles. He is also involved in research activities within the fields of aerodynamics and mechatronics. More in particular, he carried out numerical-experimental researches concerned with active safety of road vehicles, design of control systems to improve vehicle handling and ride comfort, design of HiL (Hardware-in-the-Loop) test benches, electric and hybrid electric vehicles, "smart" tires technology, cross wind on heavy-duty vehicles, response of buildings and roofs to wind induced excitation. During his research activity, he cooperated and still cooperates with the main Italian automotive industries and he was involved in several Italian and European Community founded projects.