Students of Master in Vehicle Engineering
Learn Simulation with MSC Software

MSC Software will provide simulation technology and in-depth lessons on dynamic and structural analysis.

Italy -- (February 26th, 2015) – MSC Software Corporation, a global leader in helping product manufacturers to advance their engineering methods with simulation software and services, today announced a partnership with the Master of Vehicle Engineering at the University of Modena and Reggio Emilia.

Created in 1995, the Master program is designed to meet the automotive industry’s need for trained professionals. The Master program is unique in the ability to combine in-depth training at the university level with the reality of the job market. This is a result of the participation and collaboration of major companies in the automotive industry and beyond.

"The Department of Engineering" Enzo Ferrari” of the University of Modena and Reggio Emilia begins its fifteenth edition of the Master’s Degree in Vehicle Engineering: the first Master program in Italy dedicated to the vehicle. Since its establishment, the Master program has relied on the support and participation of major automotive companies operating in Italy, thereby providing students with academic training combined with equally significant practical experience,” said Professor Giuseppe Cantore, Director of the Master program. "This year, MSC Software, whom we thank, became part of the group of partner companies, offering both use of the software and a series of lectures devoted to simulation in the automotive field: from vehicle dynamics to structural analysis."

MSC Software will provide students with simulation tools and enrich the educational Master program with a series of seminars to explore methods in vehicle dynamics and structural analysis in applications related to vehicle design and engine performance. Applications provided will include:

- **Adams/Car** is dedicated to vehicle simulation and allows designers to create and test virtual prototypes of complete vehicles and vehicle subsystems.
- **MSC Nastran** is the leading structural analysis solver with rich history in automotive. **Marc** is a finite element analysis solution dedicated to advanced nonlinear analysis and multi-physics.
Students will discover the potential of using simulation for vehicle engineering, and acquire basic skills in the application of the software for dynamic and structural simulations. Learning the key features of these software products will allow students to put into practice the theoretical knowledge acquired and enrich their curriculum with practical experience that will facilitate their careers. Adams, MSC Nastran and Marc are among the most widely used software products in the automotive field to predict and optimize the performance of components and systems.

“In this increasing competitive world, companies are demanding young graduates with knowledge in concepts and practices of simulation. It is also critical that they have experience in using numerical simulation and design tools so they can apply the technology to study the strength, durability, reliability and performance of machines, cars, aircraft, and of future design concepts,” said Daniele Catelani, responsible for university activities at MSC Software, Italy.

“MSC Software has successfully supported both teaching and research at universities and research centers. MSC organizes training within university classes, and seminars on specific challenges. We support dissertations, and also sponsor Student Competitions, such as Formula SAE, Aero Design AIAA Design / Build / Fly, RoboCup, just to name a few. The collaboration with the Master in Vehicle Engineering complements activities already in place, further strengthening the presence of MSC within the Italian University,” says Catelani.

About Engineering Department "Enzo Ferrari" - University of Modena and Reggio Emilia
Established twenty years ago, the "Enzo Ferrari" Department of Engineering was founded in the Academic Year 1990-91. Its main building, which covers more than 160,000 sqm, meets the highest teaching and research requirements. The Department regularly cooperates with renowned firms in the car manufacturing, chemical, mechanical, ceramics and biomedical fields, as well as enterprises in the sectors of information technology, telecommunications and industrial electronics. The Department has benefited from this productive network, and over the years it has improved and further developed the high quality level of its research and technological application. For more information, please visit: [http://www.ingmo.unimore.it/](http://www.ingmo.unimore.it/)

About MSC Software
MSC Software is one of the ten original software companies and a global leader in helping product manufacturers to advance their engineering methods with simulation software and services. As a trusted partner, MSC Software helps companies improve quality, save time, and reduce costs associated with design and test of manufactured products. Academic institutions, researchers, and students employ MSC’s technology to expand individual knowledge as well as expand the horizon of simulation. MSC Software employs 1,100 professionals in 20 countries. For additional information about MSC Software’s products and services, please visit: [www.mscsoftware.com](http://www.mscsoftware.com)
The MSC Software corporate logo, Simulating Reality, MSC Nastran, Adams, Actran, Digimat, Dytran, Easy5, Marc, Patran, MSC, MasterKey, MasterKey Plus, MaterialCenter, MSC Apex, SimDesigner, SimManager, and SimXpert are trademarks or registered trademarks of MSC Software Corporation and/or its subsidiaries in the United States and/or other countries. NASTRAN is a registered trademark of NASA.

Press Contact:

Giulia Battistolo
giulia.battistolo@mscsoftware.com