



## **“CAE Integration in Renault Design Process”**

*RENAULT Technocentre*

API : FR TCR CRP 1 09, Service : 65200, 1 avenue du Golf  
78288 Guyancourt cedex, France

**Jean Marc Crépel**

*Digital Prototype Manufacturing  
General Manager*

### **Biography**

#### **Education:**

Ecole Centrale de Paris (1979)

PhD in Soil-structures Mechanics at Ecole Centrale de Paris (1983)

#### **Previous Work History:**

CAE was the guide line of the career of Mr. Crépel.

Between 1979 and 1983, in the laboratory of mechanics of the Soil-structures at ECP, he developed for his thesis a software for the simulation of seismic waves propagation and soil-structure interaction used by the CSTB or EDF.

Then he joined Coyne and Bellier Company. In 1992, he left Coyne and Bellier to join SGN, the subsidiary engineering company of the COGEMA group.

In 1996, he joined the Renault group, in the Modeling and Scientific Analysis Dept, in the IT Division, to develop new methodologies of simulation dedicated to automotive design and to promote their use in the new vehicle projects.

In 2000, he became Project Manager for digital design process, in the Vehicle Engineering division of Renault.

Since 2005, he steers the development of the activity for Digital Prototype Manufacturing Dept in order to optimize and rationalize the model creation for simulation in the Vehicle Engineering division.

#### **Noteworthy Achievements:**

Mr. CREPEL has been chairman of the Numerical Simulation Committee in the association MICADO since 1999, which he initiated, and then organizes every other year, the conference “Organization and profitability of the Simulation activity in the industry”. He is also member of 12th technical section of the SIA (French Automotive Engineers Society), in charge of “Simulations and associated methodologies”.