

# PROJECT CONTROL DOCUMENT – TRP 9732

**PROJECT TITLE:** Steel Processing Properties and Their Effect on Impact Deformation of Lightweight Structures

**PROJECT DESCRIPTION:** The objective of the research project is to perform a comprehensive computational analysis of the effects of advanced material processing, forming and joining techniques on the performance of the Ultra Light Steel Auto Body (ULSAB) vehicles. The goal of the study is to address numerous material processing related effects and impact conditions as well as analyze the performance of the ULSAB vehicles in crashes against designs representing the current US vehicle fleet.

## PRIMARY RESEARCH ORGANIZATION(S):

Oak Ridge National Laboratory  
Modeling and Simulation Group  
Oak Ridge, TN

**PRINCIPAL INVESTIGATOR(S):** Srdan Simunovics

**PROJECT PARTICIPANTS:** AISI Automotive Applications Committee

**PROJECT DURATION:** 48 Months

**PROJECT START - END DATE:** 1/7/98 – 1/4/02

**PROJECT BUDGET (excluding AISI Project Mgmt.):** \$872,075

**TECHNICAL PROJECT MANAGER:** B.V. Lakshminarayana – AISI Washington, DC

## KEY CONTACTS:

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