



# Sergio Villalva

Senior R&D Verification Engineer,  
Fluids

“Simulation is a powerful tool that, combined with the technical knowledge of engineers, allows for a shorter development cycle with fewer experiments.”

## BIO

Sergio's passion for understanding how the things work led him to pursue a degree in Mechanical Engineering. He had contact with computational simulation in his first scientific project during his undergraduate studies. This experience became the catalyst for his journey towards his master's degree and paved the way for his successful career as a simulation engineer.

## ANSYS EXPERIENCE

As a verification engineer at Ansys, Sergio's focus has been on testing, validating and assuring the quality of Ansys products. Going above and beyond to ensure customer satisfaction has been one of his mainstays. He has also played an important role in technical documentation and providing relevant technical content for the Ansys customers.

## SPECIALTIES

- Automotive
- Structures
- Noise & Vibration
- Discrete Element Method

## GOALS

- Contribute for the advancements in engineering simulation solutions
- Spread the knowledge about simulation
- Prove the accuracy of Ansys products in real-world applications

## INDUSTRY INTERESTS

- Automotive
- Heavy Equipment



## PROFESSIONAL

### EDUCATION

Masters in Mechanical Engineering,  
State University of Campinas, Brazil

Bachelors in Mechanical Engineering,  
State University of Campinas, Brazil

## PERSONAL

### INTERESTS

Guitar, Biking, Hiking, Cooking & Eating

### LANGUAGES

English, Portuguese

## COMPETENCIES

### SIMULATION



### ENGINEERING



### LEADERSHIP



### ANSYS PHYSICS

