

**Lecture in CSM:**

## **Residual Stresses in Welded Joints: Experimental determination and FEM simulation**

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### **ABSTRACT**

- Introduction of residual stresses in welded joints
- What are and what produce the Residual Stresses?
- Proposed methods to measure residual stresses
- The hole-drilling method
- Modeling of Welded Joints with the FEM
- Some considerations of the welded joints FEM models.