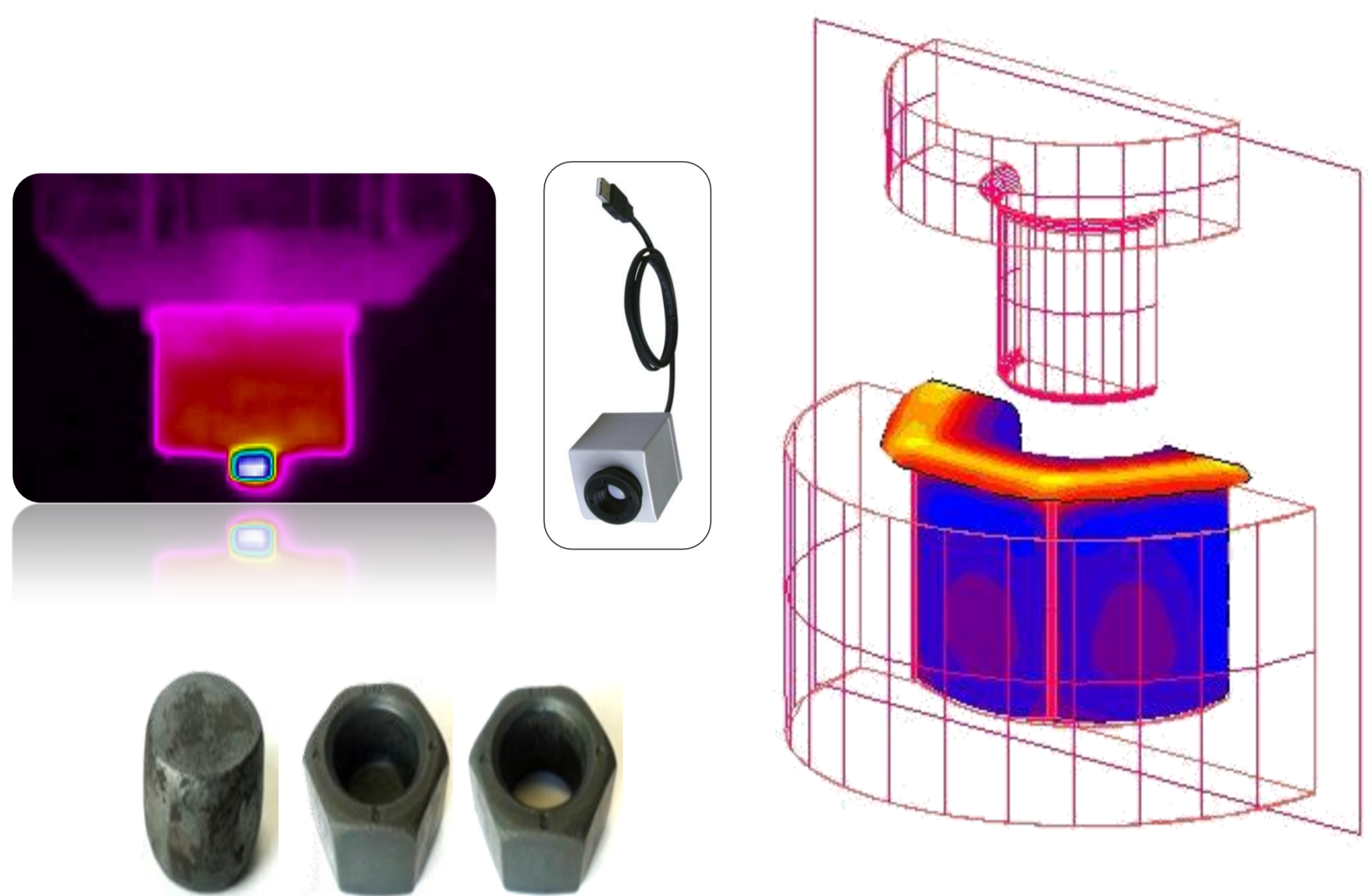


**Keywords:** Non linear & Multiphysics Analysis, Manufacturing Process Simulation, Finite elements

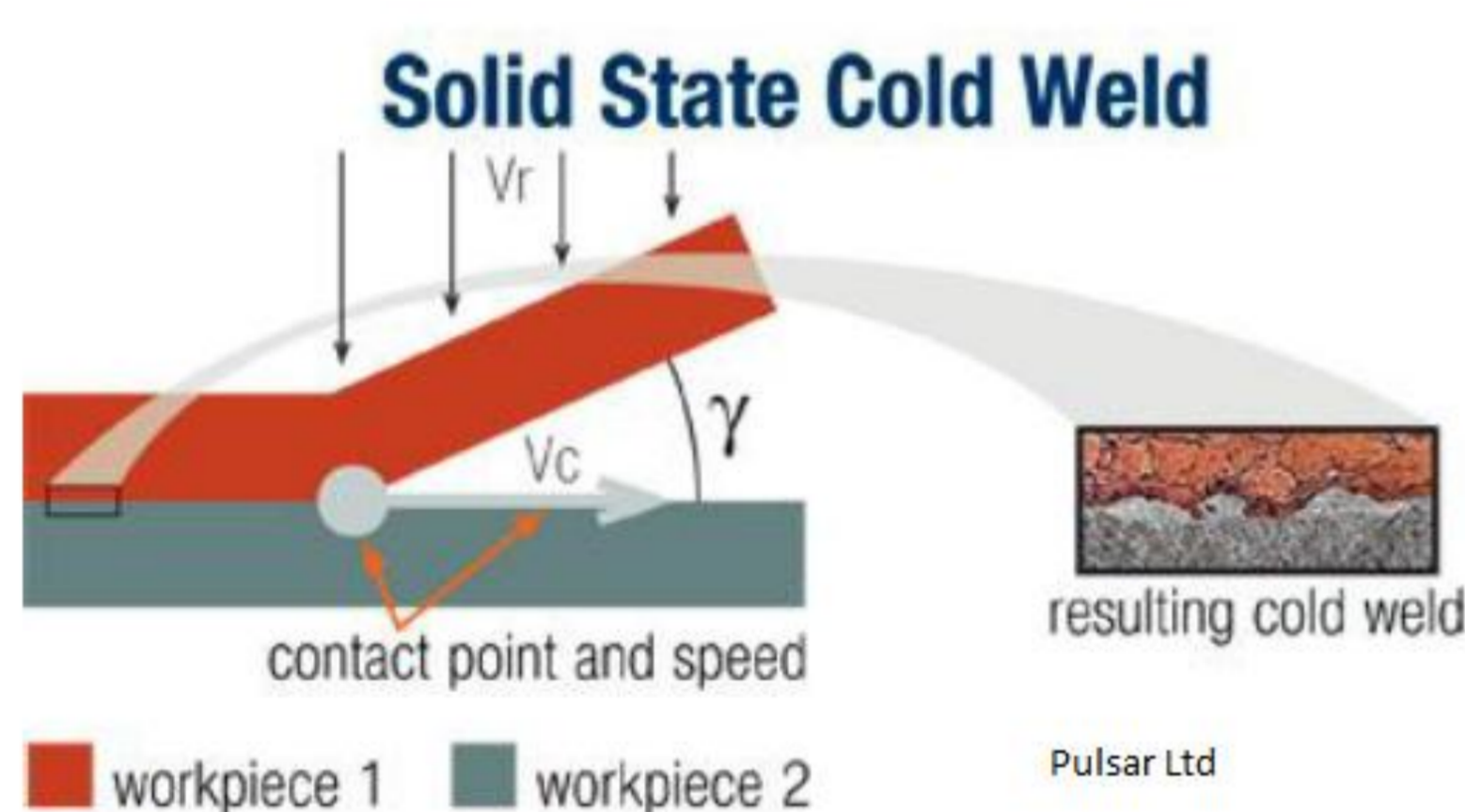
## Contact

○ **Dr. Amaury DELDICQUE**

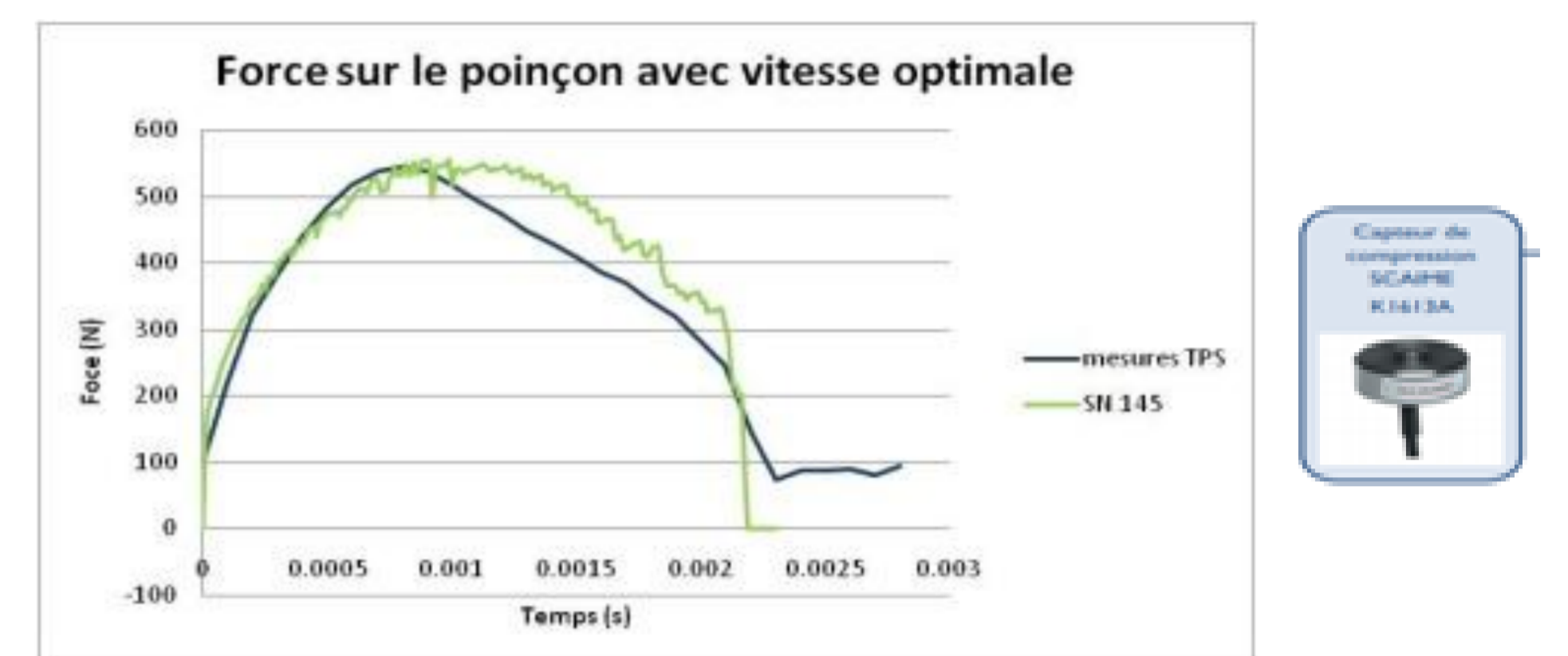
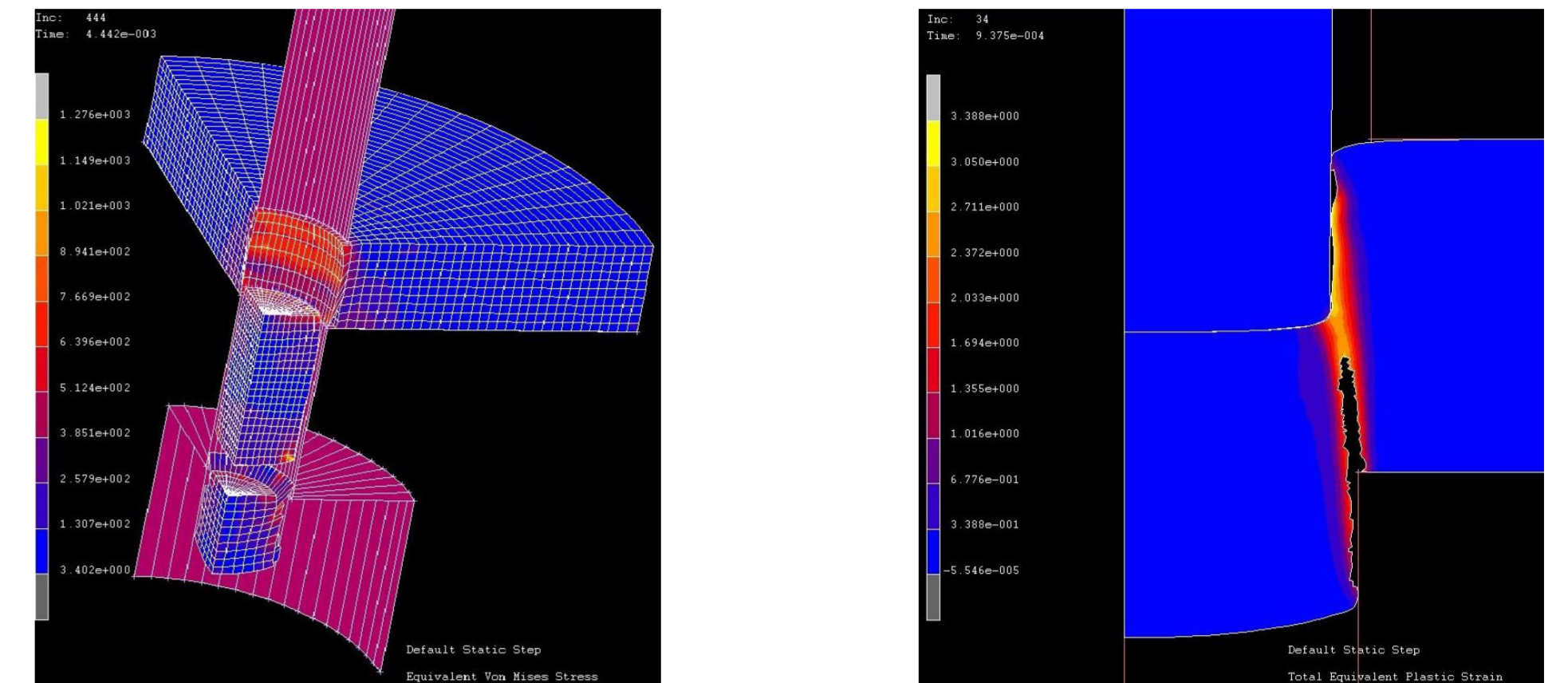
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*Experimental and Numerical Analysis of a hot forging process*



*Simulation of a magnetic pulse welding process*




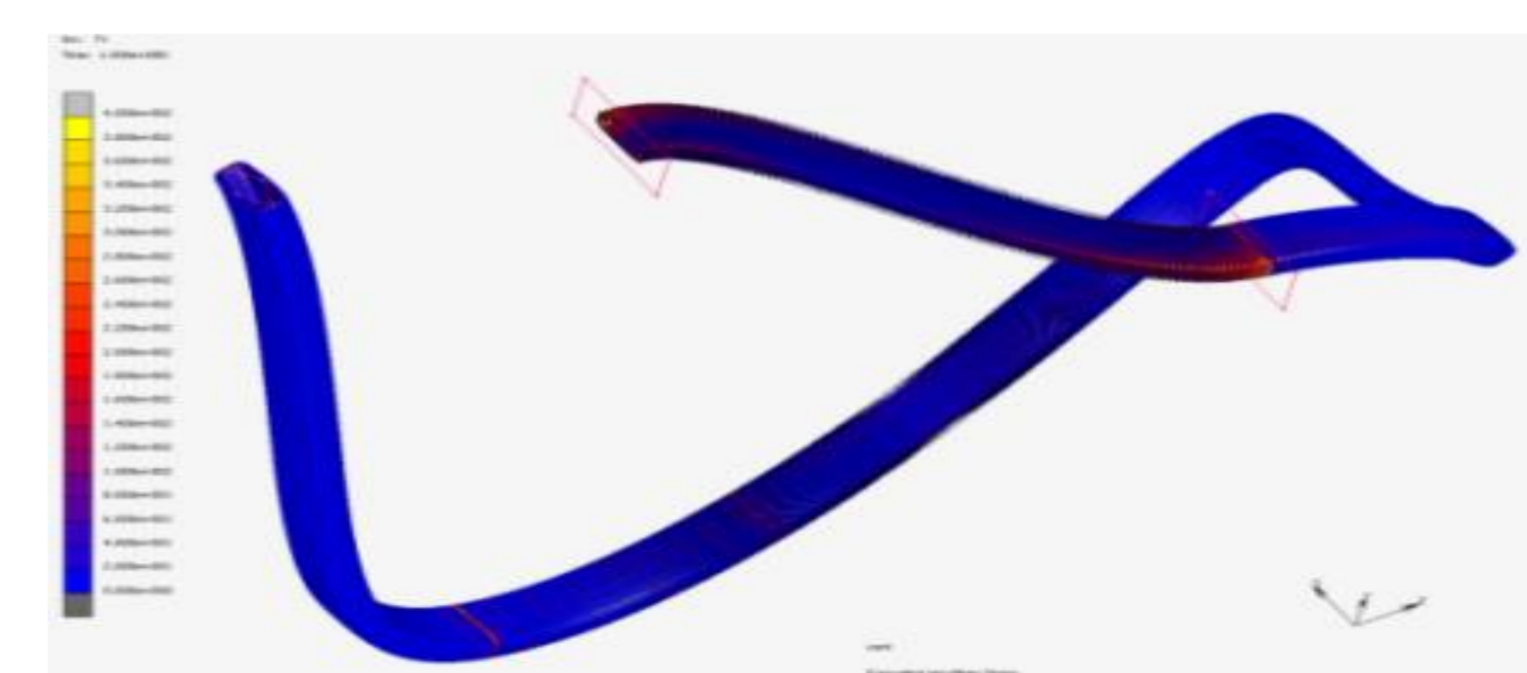
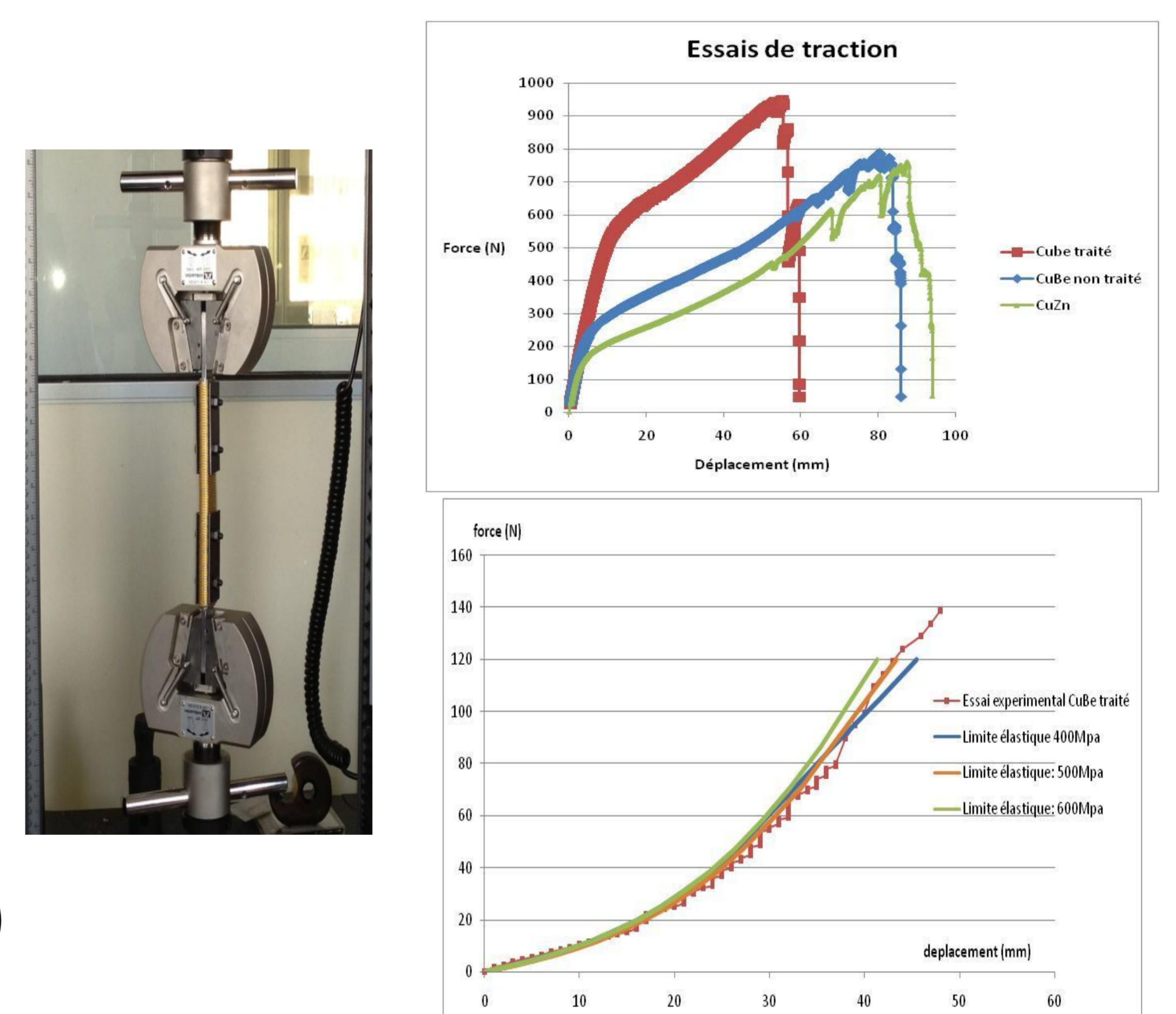
*Numerical and Experimental analysis of a micropunching process*

## Applied Research Activities

- Advanced manufacturing process simulation
- Multiphysics and non linear analysis
- Modelling and simulation for transient analysis

## Skills applied

- Computational & Continuum Mechanics (Solid and Fluid)
- Modelling and Numerical Simulation (FEA&CFD)
- Scientific Computing (Linux, Fortran, C/C++, python...)
- Physical testing (strain gauge, piezo&temp sensors...)
- Management of Industrial and EU  projects



*Testing and Simulation of a streamlined body undergoing large deformation*