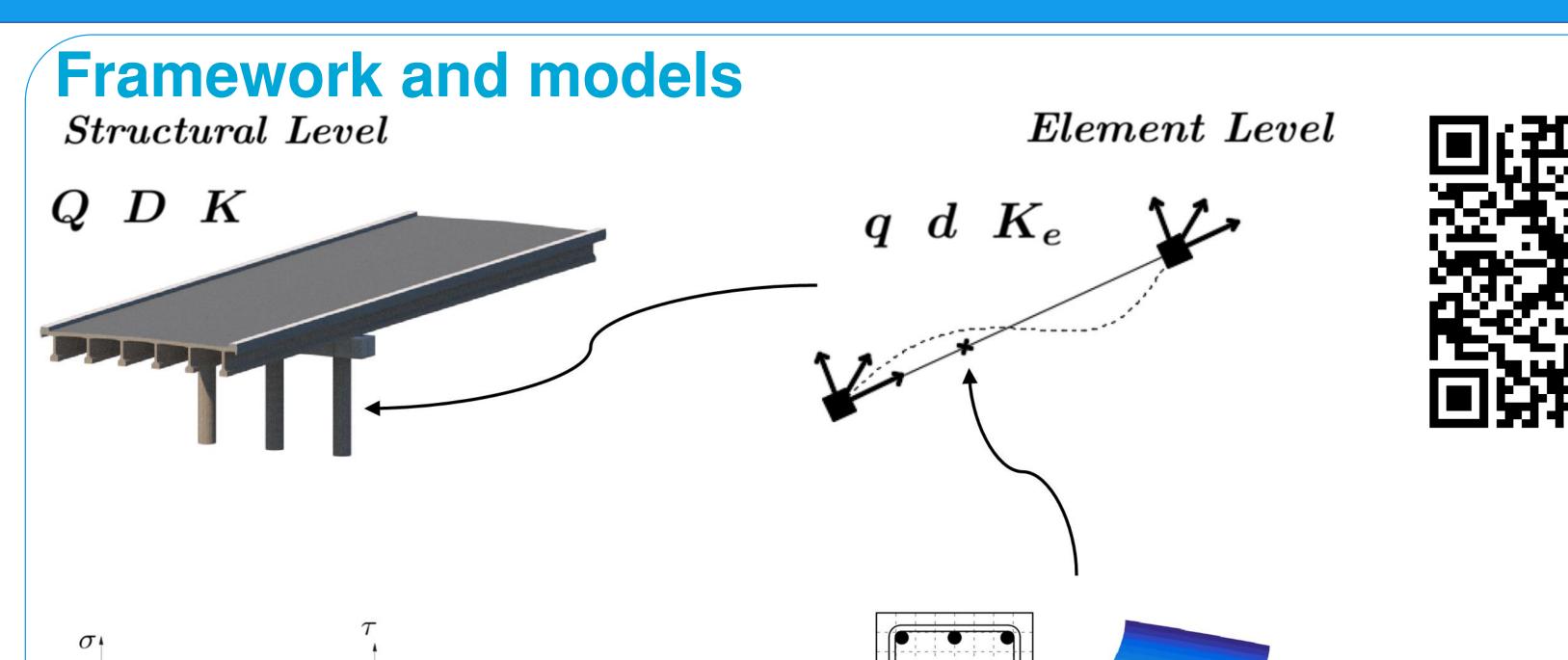
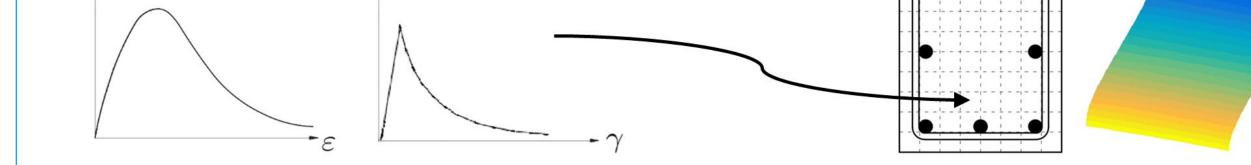
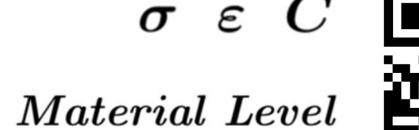
## A framework for 3D nonlinear analysis of reinforced concrete frames under general loading

## Introduction

- Tool for nonlinear analysis of 3D frame reinforced concrete structures under general load conditions.
- Simulation of different failure modes (shear, torsion, bending, axial and coupled)
- Plastic-damage 3D constitutive with evolutive dilatancy for concrete.
  B-Spline sectional model with total interaction.
  Force based frame element with different order sectional models at the integration points.



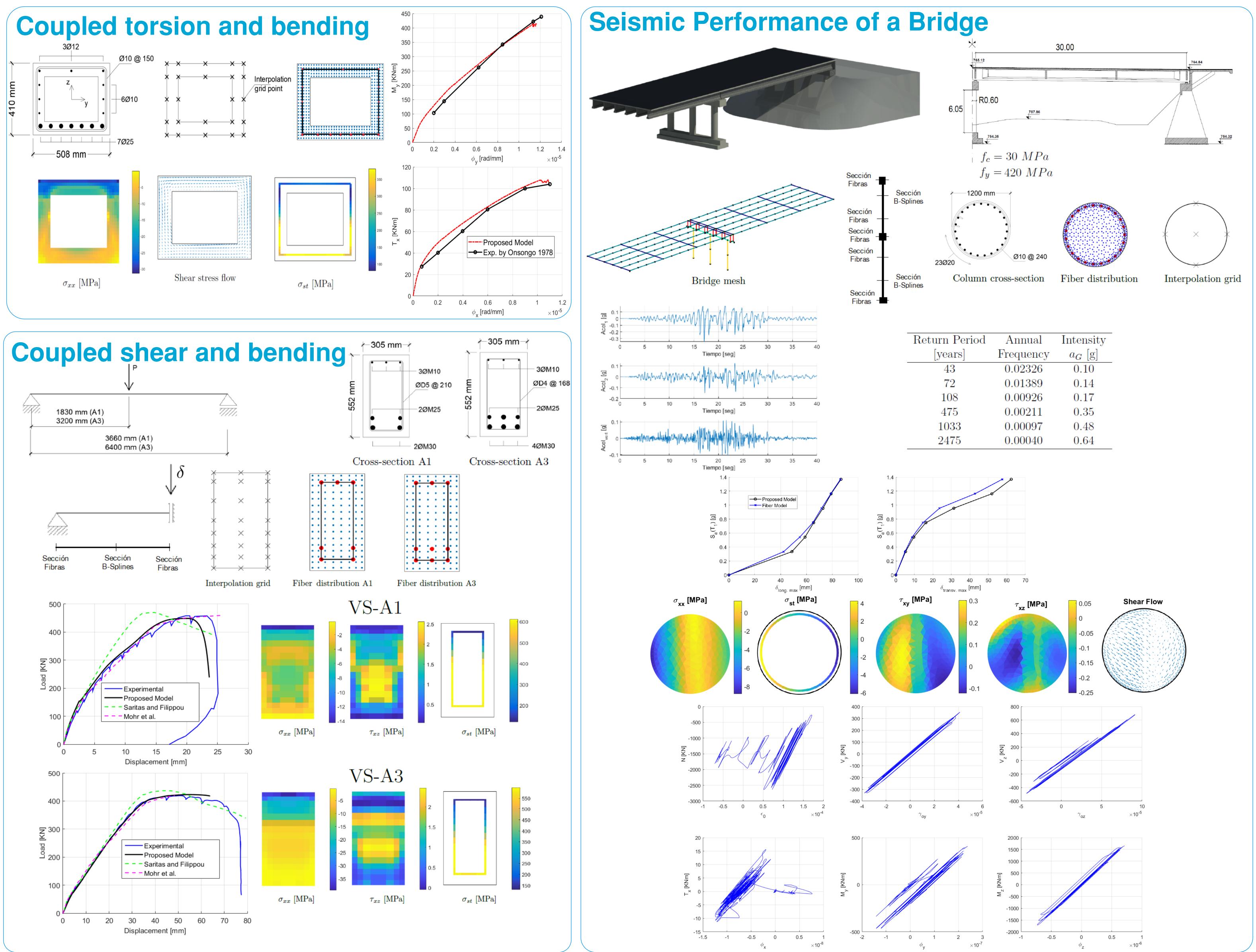






Sectional Level







Dr. Mauro Poliotti

**Email:** M.Poliotti@tudelft.nl