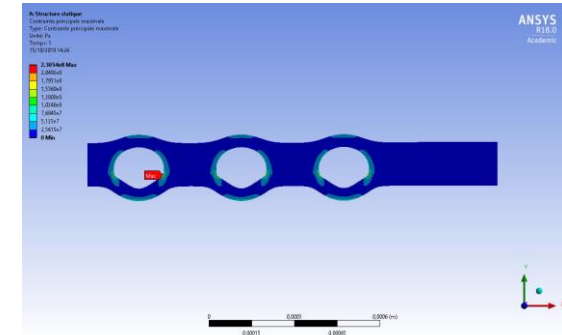
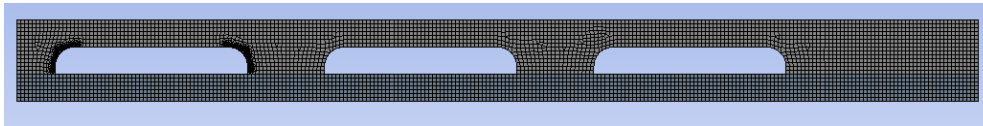
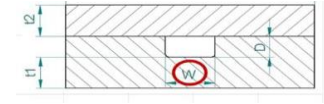


MICRO-CANAUX

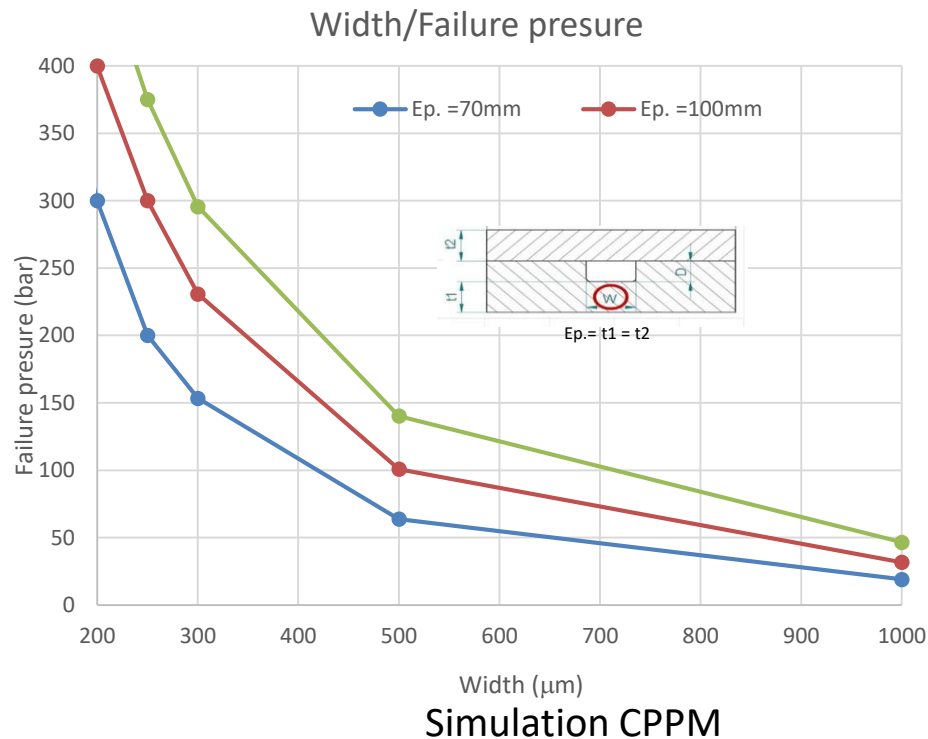
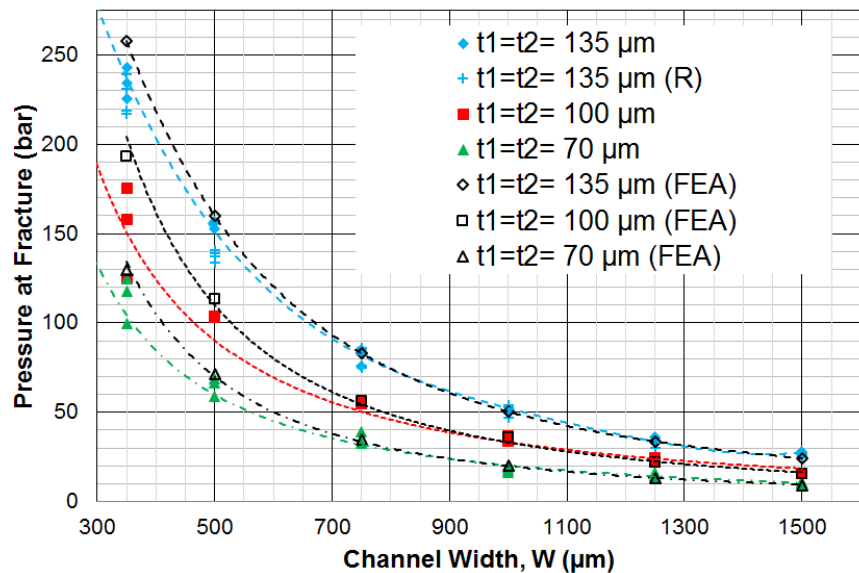
Collaboration LP3/CPPM

HYPOTHÈSES

- Microcanaux en silicium
- Adhésion entre wafer parfaite
- Silicium homogène-isotrope - $\sigma_{\max}=600\text{MPa}$
- Modèle EF plan de 6 canaux (avec symétrie)
- Modèle EF linéaire



COMPARAISON SIMULATION/DONNÉES AIDA2020



Pressure testing of silicon microchannels
A. Mapelli – April 2019

RAPPEL INFLUENCE « CONGÉS »
