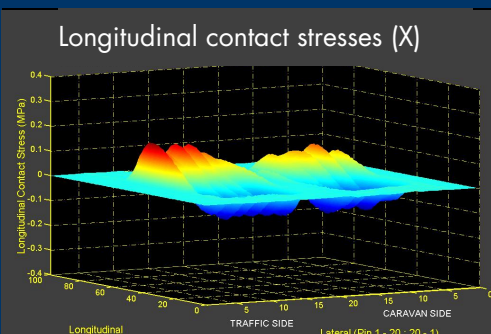
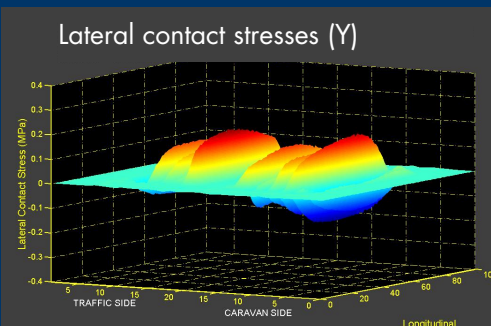
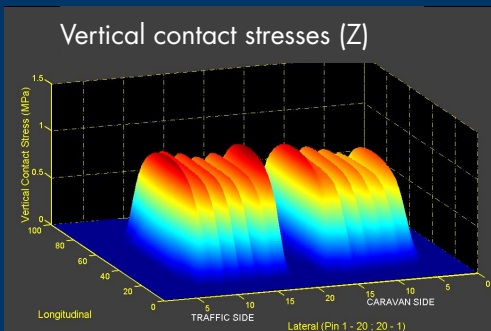


# 3D Tyre/Road Pavement Contact Stress Measurements

CSIR technology enables design of better and more durable road pavements and better performing tyres



- The CSIR's proprietary **Stress-in-Motion (SIM)** measurements provide rational descriptions of 1D, 2D and 3D tyre/road pavement stresses for:
  - Road pavement design, testing and evaluation
  - Tyre design, testing and evaluation
- The suite of measurement options available includes:
  - Dynamic/moving measurements
  - Single/Double tyre configurations
  - Varying tyre sizes (width & diameter)
  - Solid rubber/pneumatic tyre
- **SIM allows for advanced R&D:**
  - High resolution measurements (i.e. passenger car tyres)
- **Additional benefits:**
  - Expertise on tyre/road pavement interactions with more than 50 000 truck tyre measurements
  - Road pavement modelling and consulting services
  - Continual innovation

## Enquiries:

Professor Morris de Beer  
CSIR Built Environment  
Tel +27 12 841 2953  
Email [mbeer@csir.co.za](mailto:mbeer@csir.co.za)  
[www.csir.co.za](http://www.csir.co.za)