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

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