

## MEMS Pressure Sensors

**Abstract:** Pressure sensors are the oldest commercially successful MEMS sensors and bring out many aspects of the success of MEMS technology. Starting with the standard silicon bulk micromachined pressure sensors with polycrystalline silicon piezoresistors, we introduce modifications in materials as well as the design to improve the sensitivity and range. We also discuss low pressure sensors made from silicon based on Knudsen thermal forces.