



CMOS – SOI – MEMS / NEMS Disruptive Sensing Systems

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Disruptive Sensing Systems

CMOS Sensors / Imagers

- **With MEMS:**

- Thermal **TMOS** IR uncooled Sensors
- Thermal **TeraMOS** THz uncooled Sensors
- Thermal **GMOS** Gas Sensors
- Status: Technion co-founded TODOS Technologies Ltd.
- CEO: Yossi Levi
- 15 patent applications
- Prototypes Available
- On-going PhD and MSc theses

- **W/O MEMS:**

- **CMOS SPAD camera** for detection of photon flashes
- **CMOS SiPM** Photomultiplier for LIDARs
- **CMOS SPAD/SiPM for 3D imaging**
- Status: 5 patent applications
- **Passive SPAD imager demonstrated**
- **On-going PhD theses focusing on LIDAR/3D imaging**