

M3TERA

MICROMACHINED TERAHERTZ SYSTEMS

A new heterogenous integration platform
enabling the commercialization of the
THz frequency spectrum

The **M3TERA** envisions the **wide-spread use of low-cost terahertz (THz) technology**, enabled by the proposed **micromachined heterogeneous integration platform**, which provides an unique way to

- **highly-integrated,**
- **volume-manufacturable,**
- **reliable,**
- **reconfigurable, and**
- **cost- and energy-efficient** submillimeter-wave and terahertz systems.

M3TERA's main objectives:

- low-cost point-to-point high-speed communication links in the frequency space between 100 GHz and 500 GHz
- primary technology prototype
- system-in-package concept
- enable a manufacturable and efficient technology transfer as well as the ubiquitous usage of low-cost THz sensors

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TECHNIKON

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Scientific Leader:



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csem

Project Information:



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