

Irsens

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Ge-on-Si photodetector array for sensitive infrared imaging

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Conclusion & Future Plans

The fabricated detector array is operational in linear mode with high yield The device of the second seco

- The device shows very good sensitivity to near infrared light with good I-V
 performance that is, to our knowledge, best in the literature
- Future work
 - Improving the device to operate in SPAD mode
 - Integrating the pre-amplification circuit in the same chip together with the device