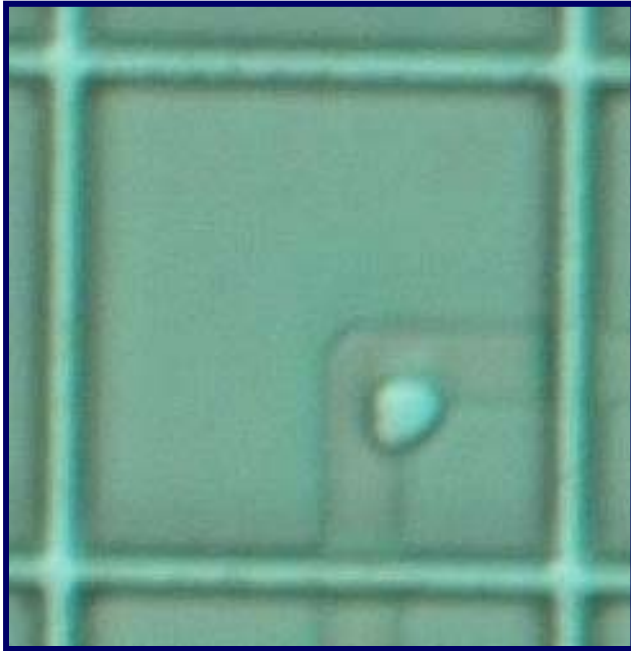


Pyroelectric Materials for Thermal Imaging

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Optical microscope image of a $48 \mu\text{m}^2$
PZT infrared sensor element
integrated on a silicon substrate



Prototype complex oxide based infrared sensor arrays are being fabricated using PZT materials and fabrication processes developed at the PSU NNIN site. The sensor arrays have been integrated into infrared cameras and show great promise for low-cost thermal imaging systems.