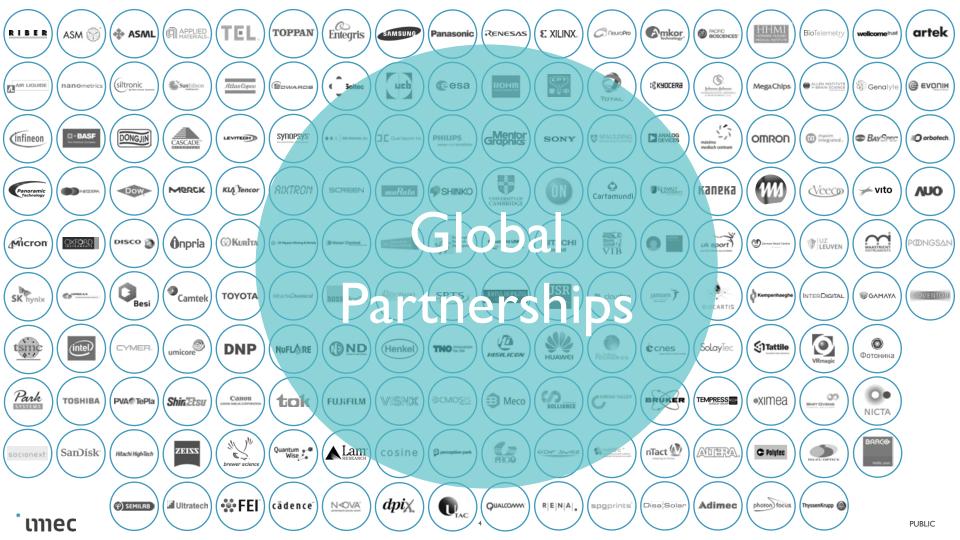
# Inec

#### THIS IS THE TITLE SLIDE YOU CAN ADD YOUR NAME/FUNCTION HERE



# imec is a world-leading research and development nonprofit that creates innovative nanoelectronics and digital technology.



#### OVER 4,000 HIGHLY SKILLED RESEARCHERS WORLDWIDE

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#### HUMBLE BEGINNINGS IN LEUVEN, BELGIUM IN 1985... WORLD CLASS INFRASTRUCTURE TODAY



#### MEET THE IMEC USA-FLORIDA TEAM



#### SPECIALTY CAMERAS PYTHON DETECTION CAMERAS



# **UF UNIVERSITY** *of* **FLORIDA**



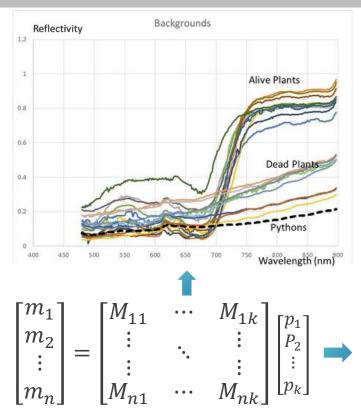
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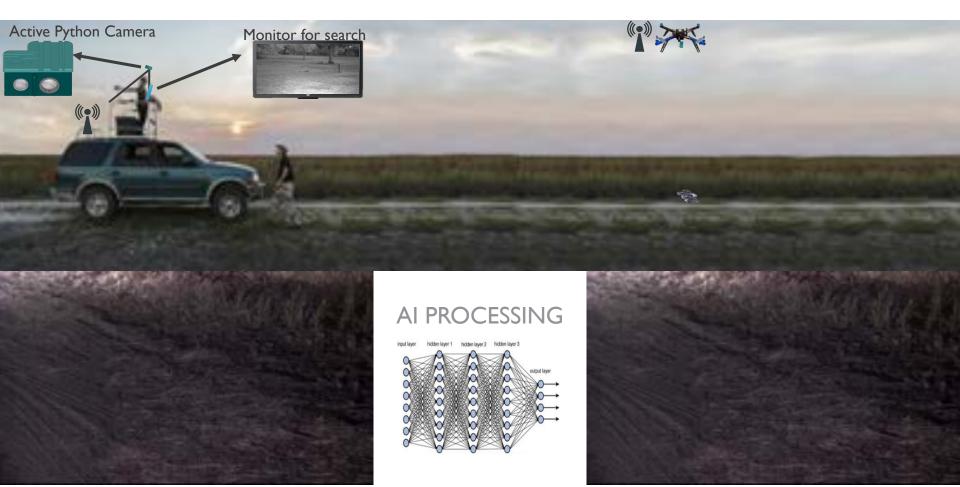
#### SPECIALTY CAMERAS: FINDING PYTHONS IN THE EVERGLADES





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#### FINDING PYTHONS IN THE EVERGLADES – DEEP LEARNING



# WHY NOT INTEGRATE OPTICAL COMPONENTS ONTO A SILICON CHIP?

IMEC SILICON PHOTONICS PLATFORM

@ imec

SI PHOTONICS TRANSCEIVER PROTOTYPE ENABLING SHORT-HAUL 400GBPS

## DATA CENTER INTERCONNECTS BORROWING FROM LONG-HAUL TELECOMMUNICATIONS

### COHERENT OPTICAL TRANSCEIVER MOVES TO DATA CENTER INTERCONNECT



# NEW STANDARDS FOR COST EFFECTIVE, INTEROPERABLE OPTIONS

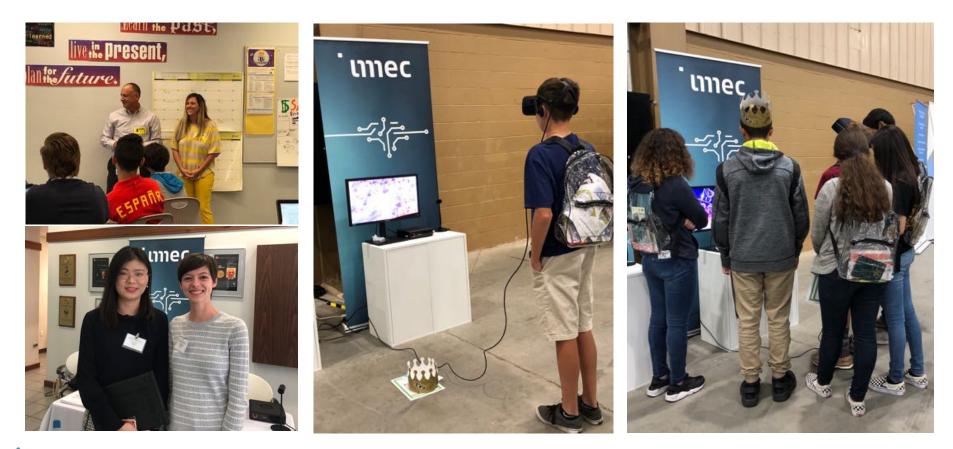
## NEW ELECTRO-OPTICAL MATERIALS AND PROCESS FLOWS



CREOL, The College of UCF Optics and Photonics

Functional Materials and Sensors Lab

#### GROWING FUTURE STEM TALENT IN OSCEOLA COUNTY



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