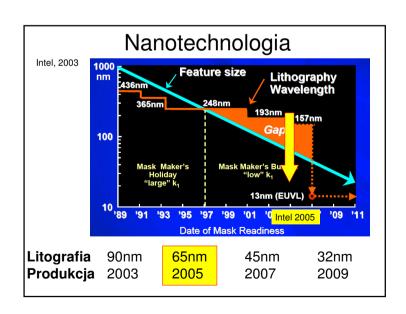
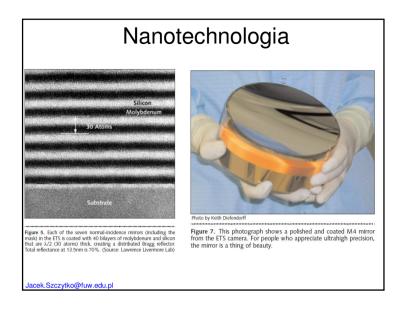
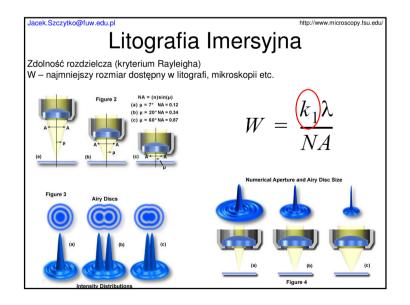


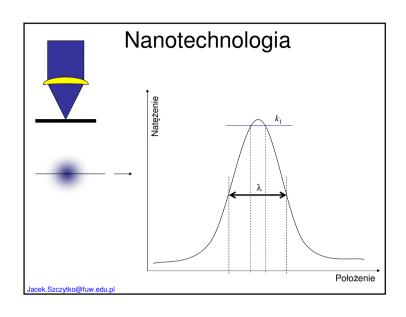
## Nanotechnologia © MICRODESIGN RESOURCES Mask-Stage Chamber Laser Drive Optics Camera Chamber Illuminator Wafer-Stage Chamber Figure 2. This engineering prototype of the engineering test stand (ETS) illuminator shows the LPP light source and the C1 condenser assembly (top center). Small trapezoidally shaped doors protect the Figure 1. EUV light is generated from a 45eV plasma created when a Figure 1. EUV light is generated from a 4-eVP pushma created when a 1,700W pulsed YAG solid-state laser illuminates a supersonic jet of xenon gas. The EUV light is collected and focused on a 4x reflective mask by a series of condenser mirrors (CT-QL.) The mask image is projected onto the wafer by a 4x reduction camera (M1-M4) while the mask and wafer are simultaneously scanned. The entire operation takes place in high-vacuum environmental enclosures.

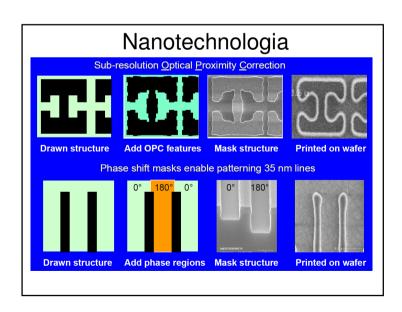
six C1-mirror petals when the ETS is not in operation. The entire con-denser weldment, which also holds C2 and C3, is isolated from its environmental chamber to eliminate motion and vibration from the vacuum pumps. (Photo courtesy of Sandia National Lab)

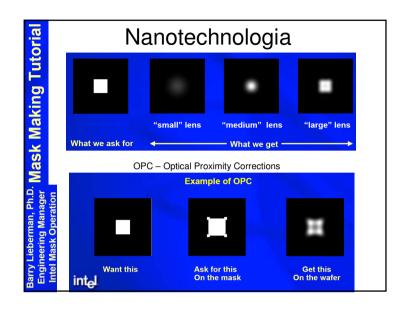


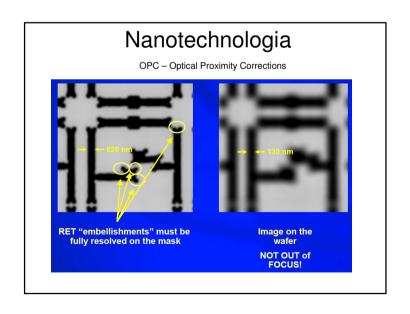


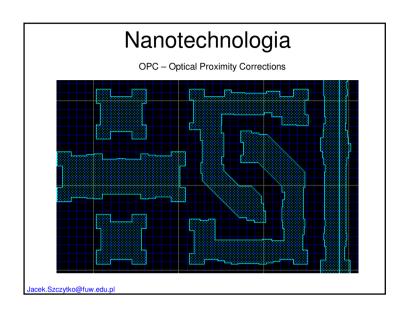


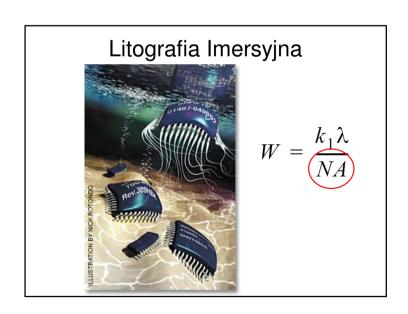


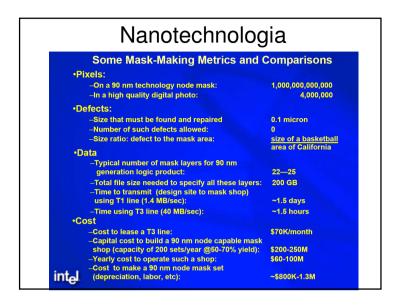


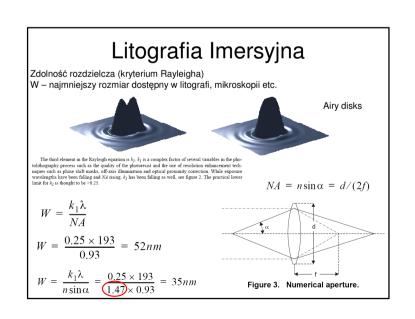


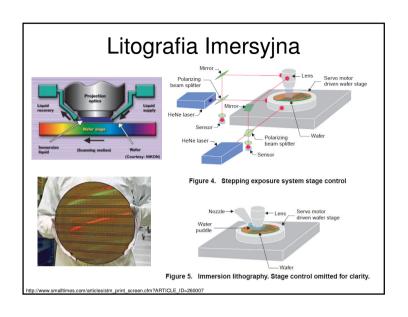




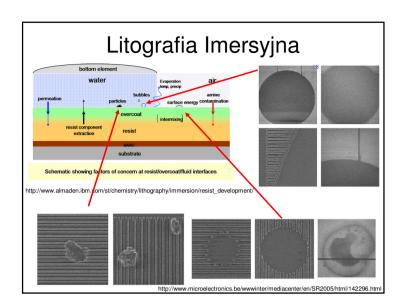


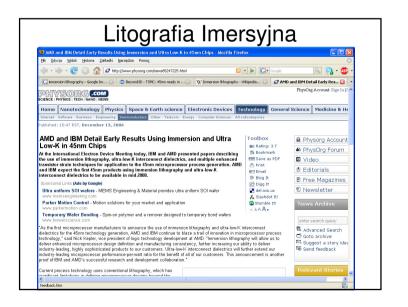




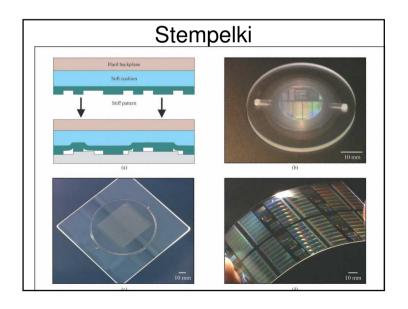


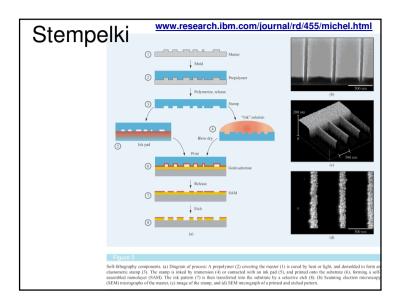


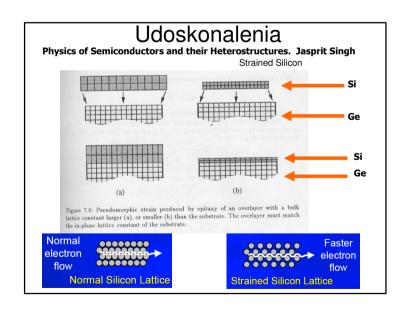


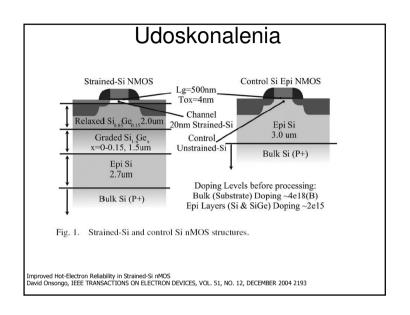


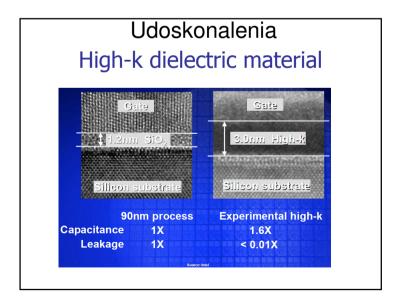


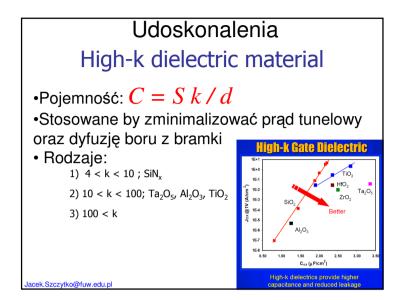


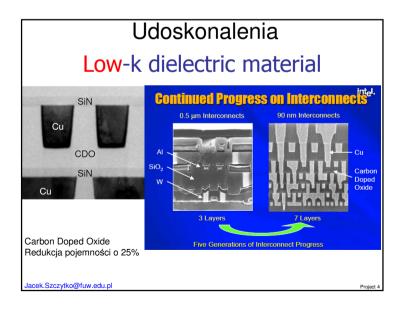


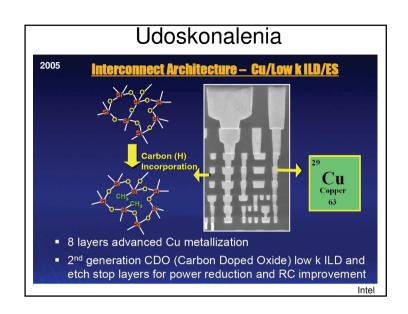


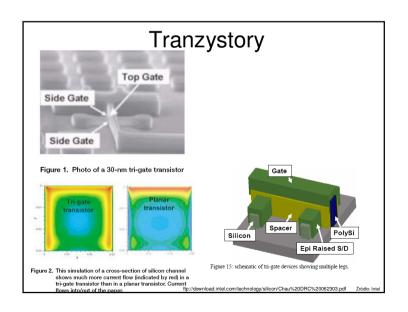


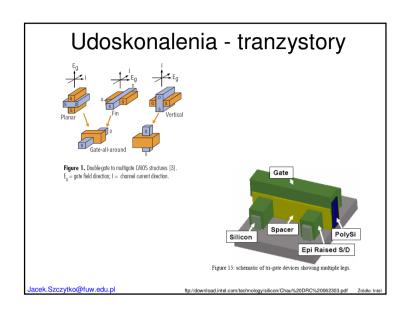


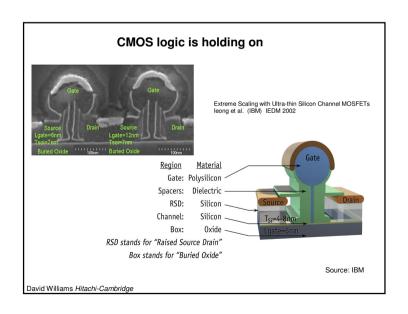


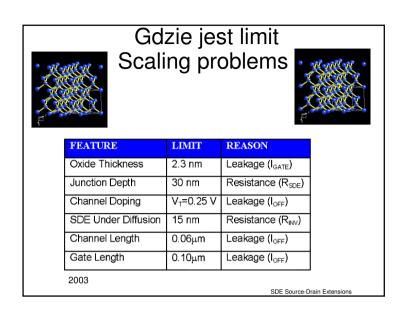


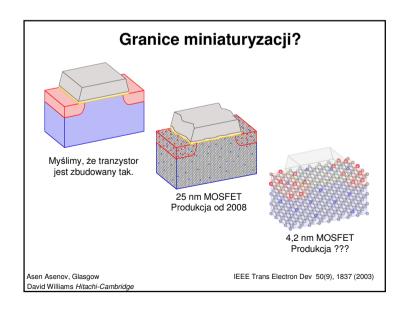


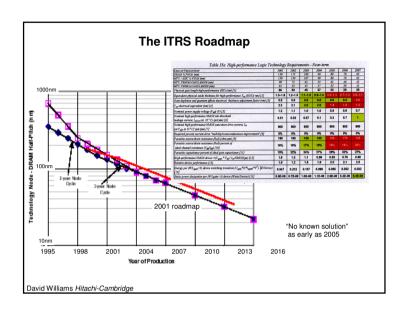


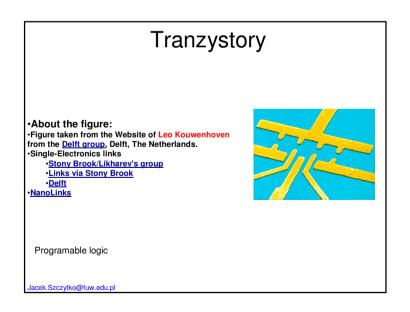


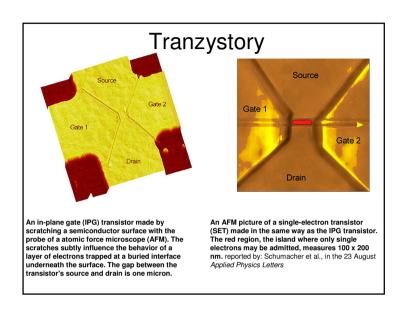


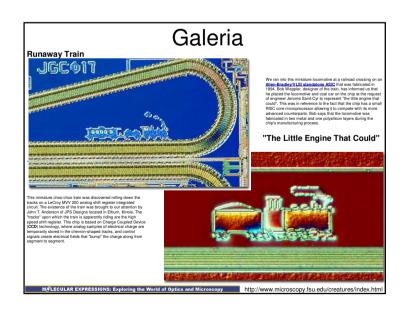




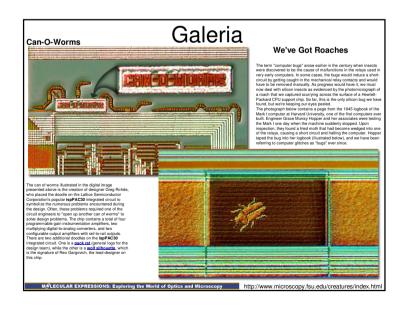


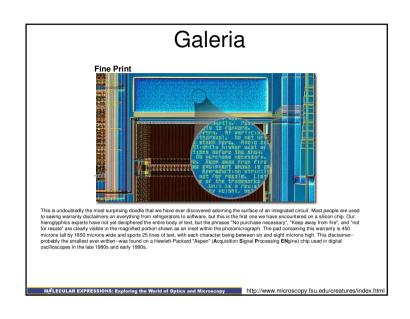


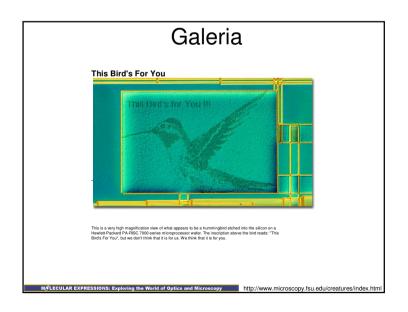


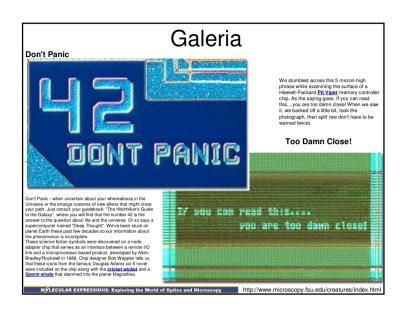


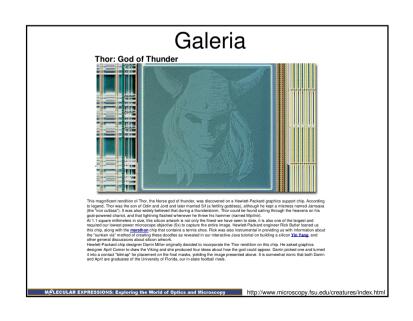


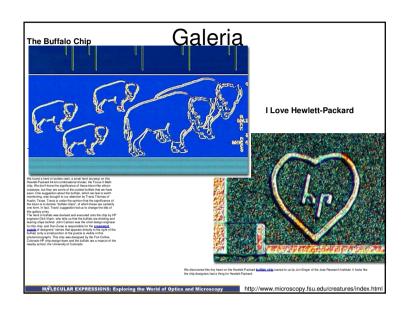


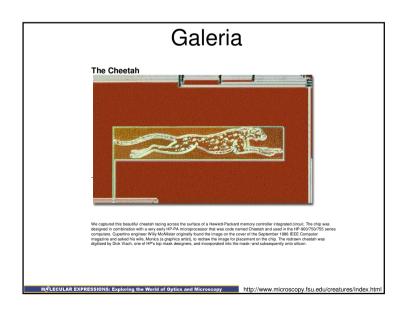


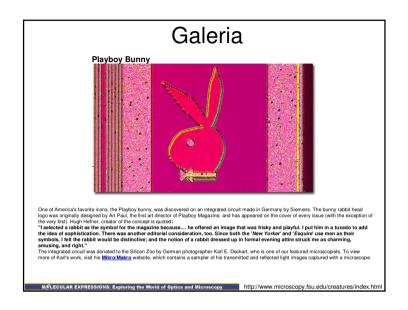


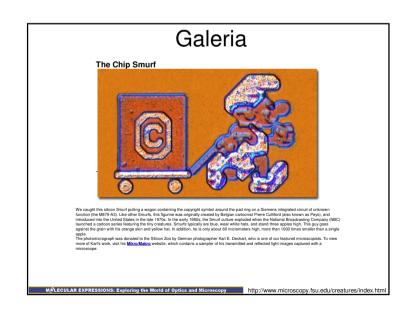


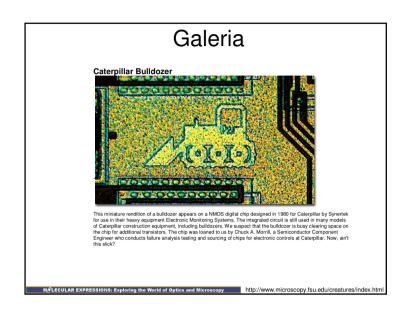


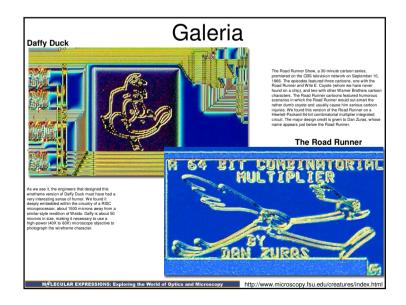


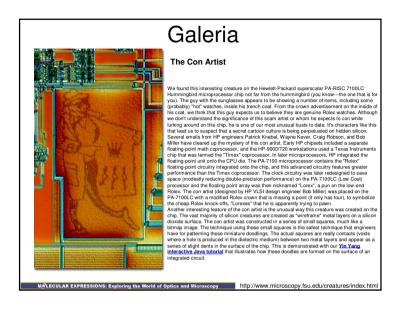


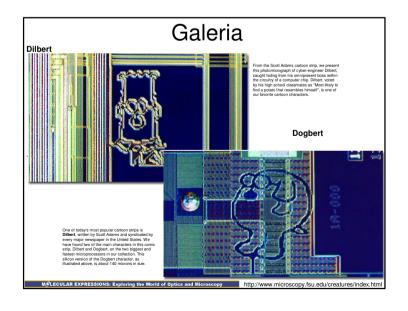


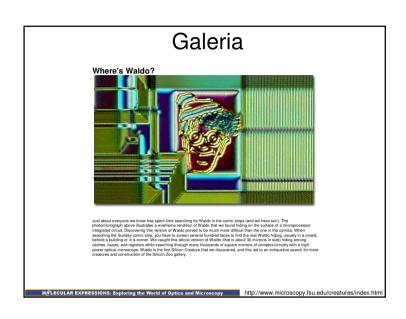




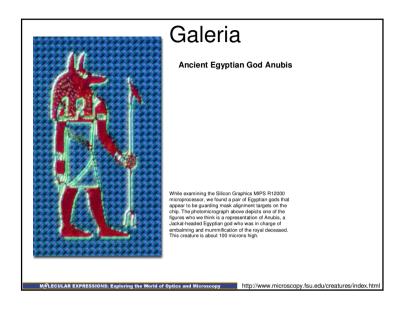




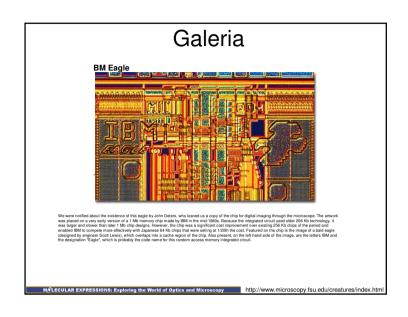


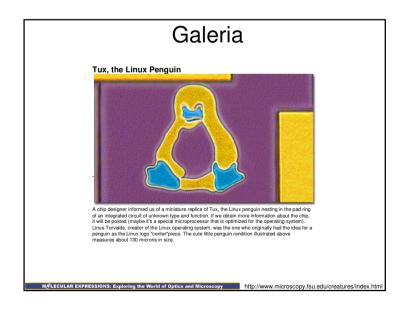


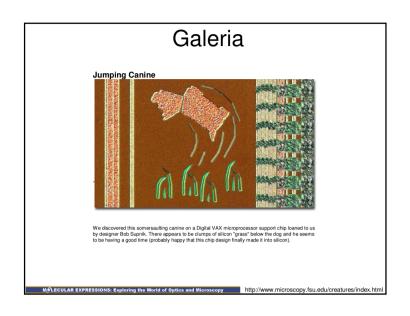


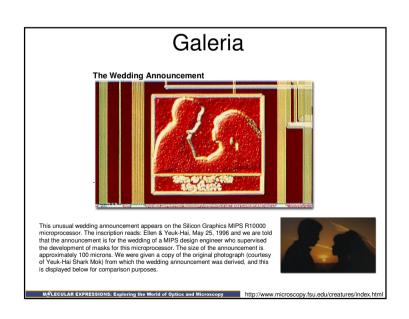


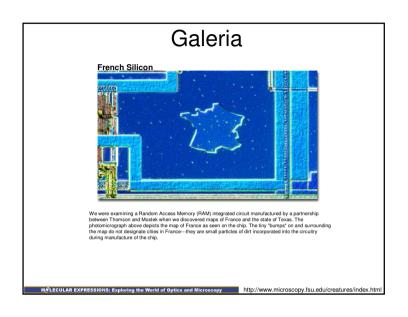


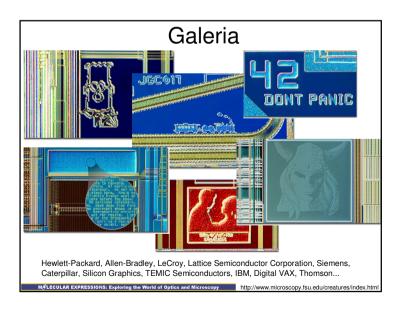


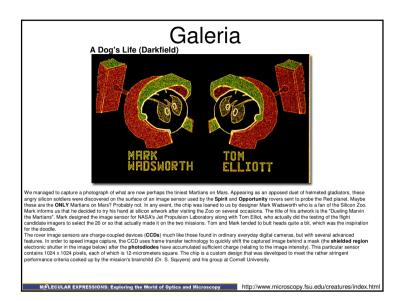






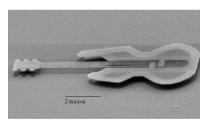








Lasery ekscymerowe



Electron-microscope image of the world's smallest guitar, based roughly on the design for the Fender Stratocaster, a popular electric guitar. Its length is 10 millionths of a meter-- approximately the size of a red blood cell and about 1/20th the width of a Explorations of the product of the p machines and structures on the scale of billionths of a meter to perform useful technological functions and study processes at

the submicroscopic level.
(Image courtesy Dustin W. Carr and Harold G. Craighead, Cornell.)

