



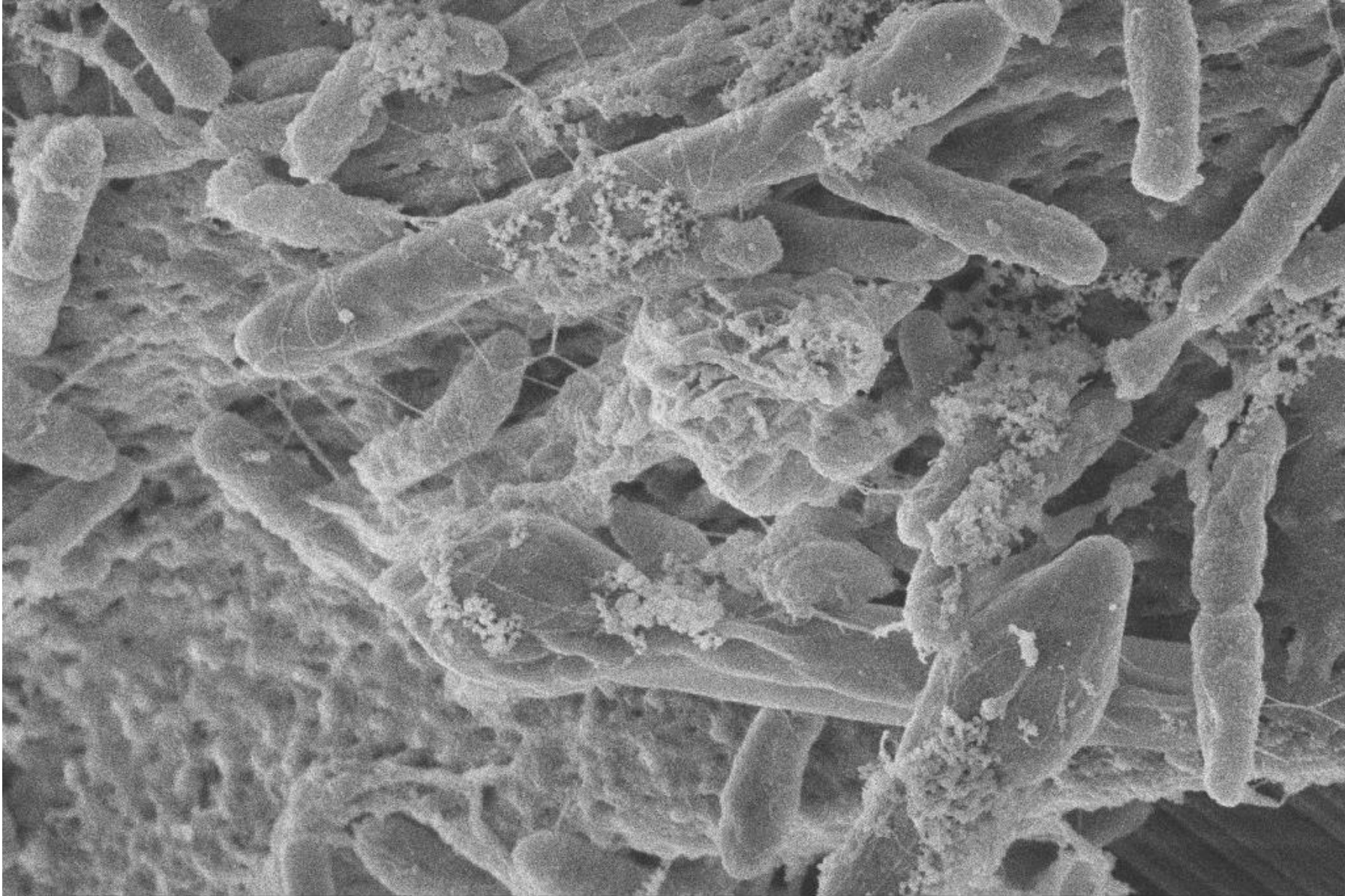
Rensselaer


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Life as an RPI ECSE Graduate Student



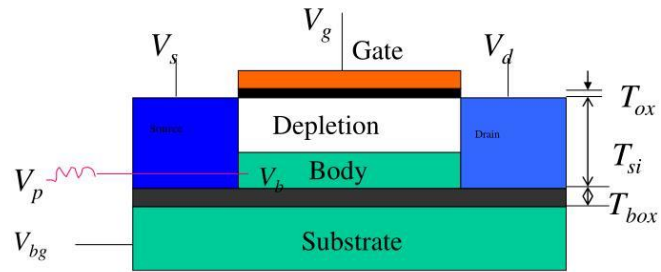
<https://www.thyssenkrupp-industrial-solutions.com/power-to-x/en/sector-coupling>



 1 μm	EHT = 3.00 kV	Signal A = InLens	Date :10 Aug 2022	Stage at T = 0.0 $^{\circ}$
Image Pixel Size = 7.8 nm	WD = 2.8 mm	Mag = 44.75 K X	Time :16:08:52	Width = 8.022 μm

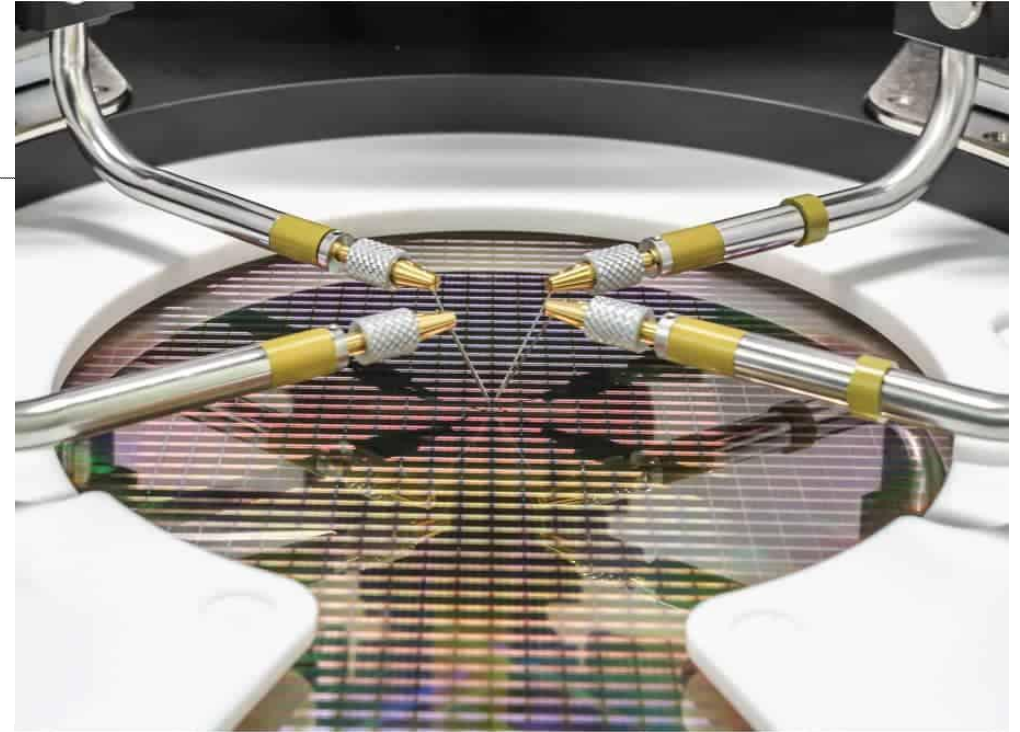
Research & Experience

SOI Technology for DRAM

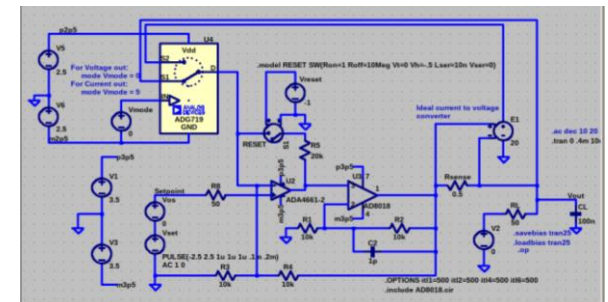
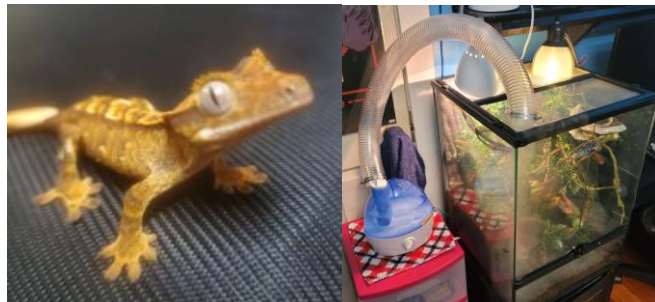


Fully Depleted (FD) Partially Depleted (PD)
Dynamically Depleted (DD)

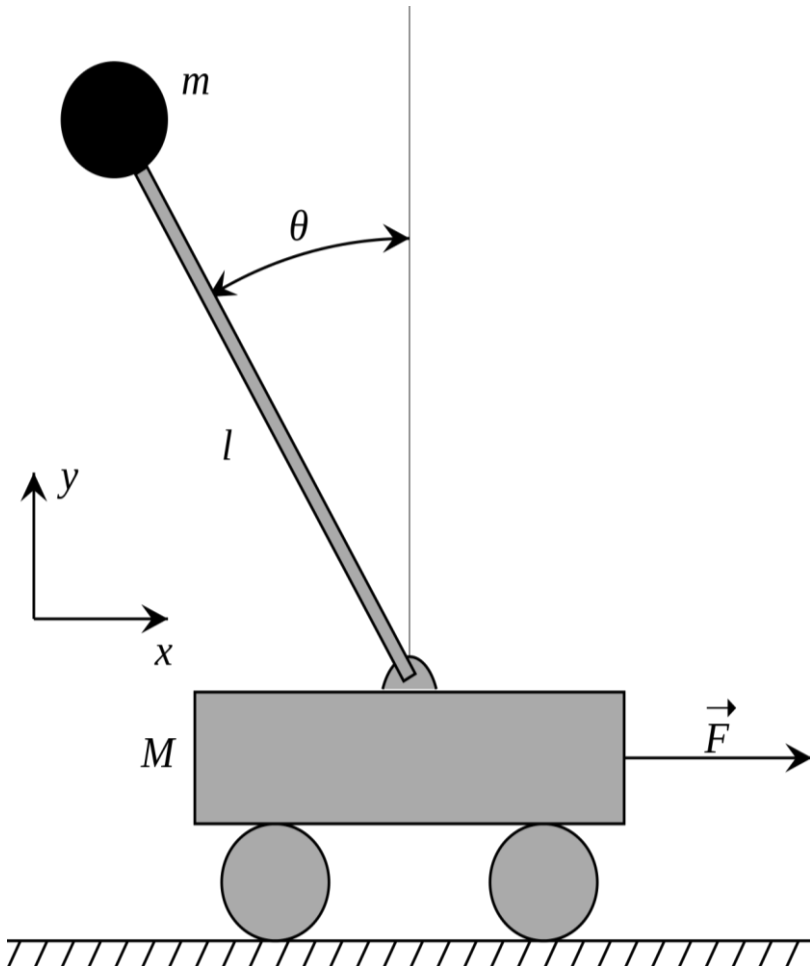
Fred Chen & Lixin Su
SOI DRAM



Class Projects



Learning and Control for Nonlinear Dynamic Systems



- Looking at Control Affine systems
 - $\dot{x} = f(x) + g(x)u$
- Existing methods
 - Don't make guaranties
 - Don't give you information about the system
- Learn a Parametric approximation
- Approximation can be analyzed
- Easy to design a controller