

# **Photolithography**

## **Pre-Lab Questions**

1. (10 points) What is the main difference between positive and negative tone PR? What are the pros and cons of each resist?
2. (10 points) What is the composition of a typical PR? Why does the photolithography lab usually require yellow light for illumination?
3. (20 points) Explain each step of the photolithography process.
4. (10 points) Briefly describe the exposure wavelengths that are used in photolithography. Why do we use shorter wavelengths in the industry?
5. (10 points) What are safety hazards in this experiment? Briefly describe rules for prevention of these hazards.