



# BITNG LAB UPDATE

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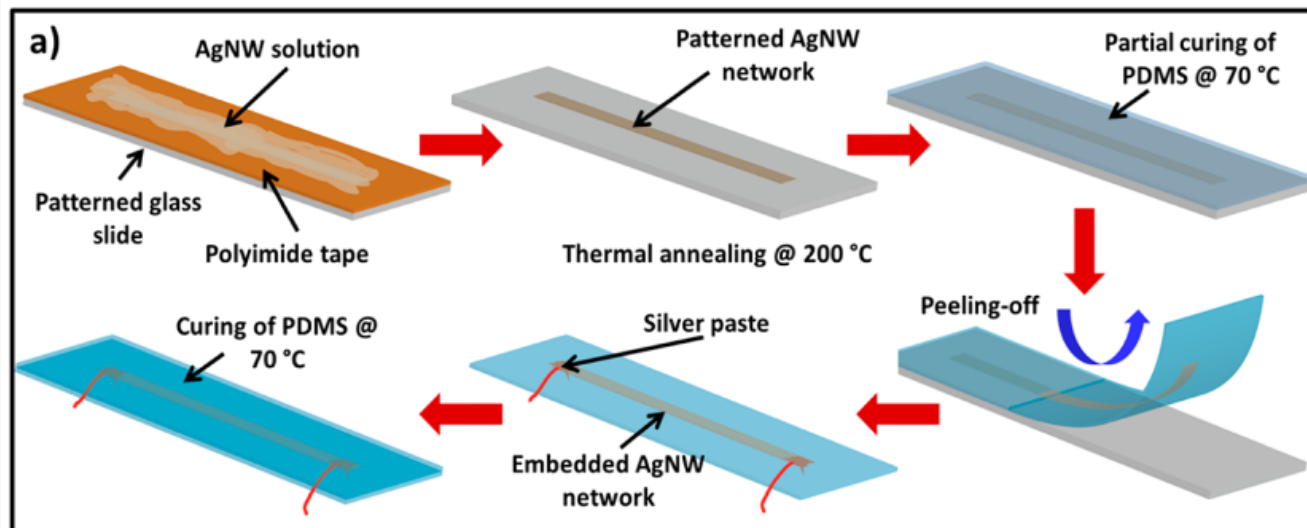
Date 4/29/2021

# Progress from last week

- Shriner's project
  - Strain gauge

# Strain Sensor Reference

- Reference Paper: Highly Stretchable and Sensitive Strain Sensor Based on Silver Nanowire-Elastomer Nanocomposite, 2014
  - Problem:
    - AgNWs were stuck to the glass slide
    - They would not come off



# Strain Sensor Solution Steps

- Pattern laser cut on PI tape (to-do)
- PI tape placed directly onto PDMS
- AgNW layer drop casted
- Annealed at 200 C
- Encapsulated in PDMS



# PATH FORWARD

# Path forward (4/26/21 – 5/03/21)

- Shriner's Project:
  - Strain gauge, round #10
  - Wireless charging
    - Ordering more components
  - BLE matching network
- LP-ECG:
  - Support for Shinjae/Bu

# APPENDIX