



BITNG LAB UPDATE

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Date 2/01/2021

Outline

- Progress to date
- Path forward

PROGRESS TO DATE

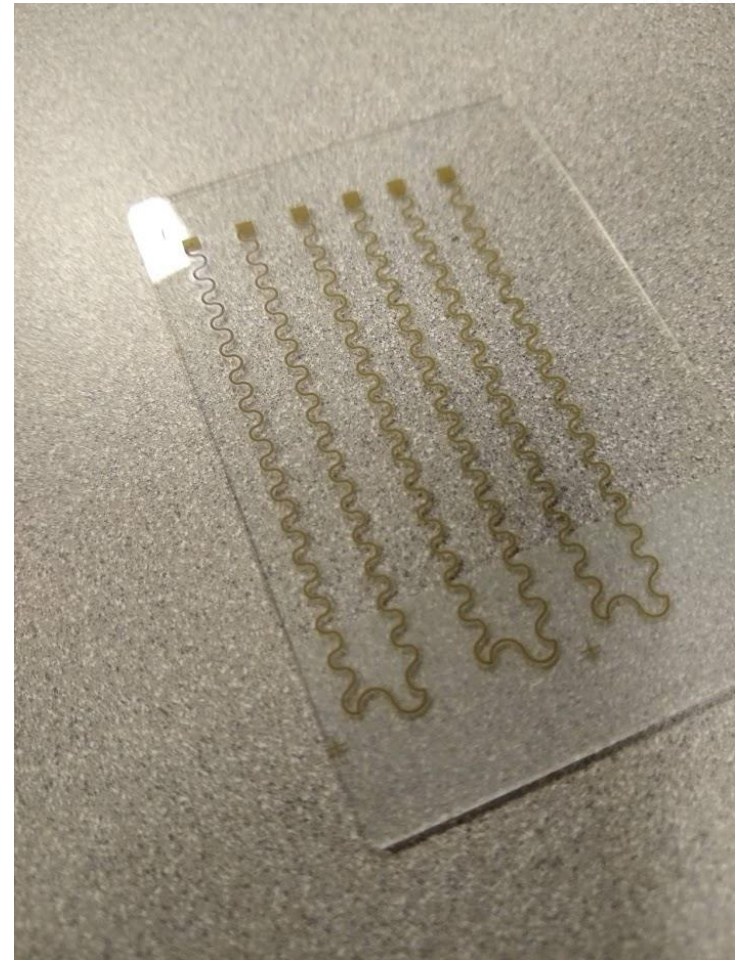
Progress from last week

- Shriner's project
 - Literature review
 - Strain gauge

SHRINER'S PROJECT

Strain Sensor: Round #4

- PDMA: Finished
- PI: Finished
- AG NW: Finished
- Conductivity Test: FAILED
- ~~PDMS: TO-DO~~
- ~~ASSEMBLY: TO-DO~~
- ~~ENCAPSULATION: TO-DO~~
- ~~Characterization: TO-DO~~
- Conclusion: Not enough nano-wires
- Going to refresh nanowires in vial every 15 minutes



Literature review

- ~~Captions to figures and Tables~~
- ~~Adding sources to EndNote X9~~
- Requesting permission to reuse image
 - Academic sources: 2/19 pending
 - Commercial sources: 5/15 pending
 - DIY sources: Completed
- ~~Introduction~~
- Body Paragraphs
 - ~~Summary~~
 - ~~Applications~~
 - ~~Commercial~~
 - ~~DIY~~
 - ~~Academic Summary~~
 - Pressure
 - Temperature
 - Strain
- ~~Conclusion~~

PATH FORWARD

Path forward (2/01/21 – 2/08/21)

- Shriner's Project:
 - Literature review
 - Strain gauge, round #5
- Firmware development
 - FDC1004 (4-Channel Capacitance-Digital Converter)

APPENDIX