



# METALENSES BUILT FOR SPACE

Optics startup Tunoptix wins federal grant to develop metalenses for imaging satellites at Washington Nanofabrication Facility

TUNOPTIX



## NEWS



### [Arka Majumdar receives 2020 ONR YIP Award](#)

The award from the Office of Naval Research Young Investigator Program (ONR YIP) will support Majumdar's work to develop universally reconfigurable optical devices.



### [Eric Klavins named ECE department chair](#)

As the director for the Center for Synthetic Biology as well as the Biofabrication Center, Klavins has fostered meaningful partnerships across campus and with industry.



### [NanoES engineers recognized for excellence in research](#)

Professor Miqin Zhang and electrical & computer engineering graduate student Shane Colburn received awards from the UW College of Engineering.

# QUANTUM RESEARCH AT UW



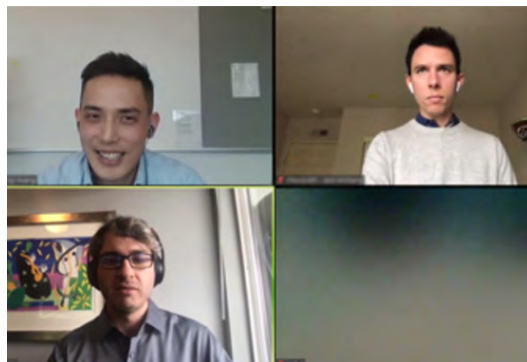
## Quantum edge

The UW [QuantumX initiative](#) was launched to stimulate research & teaching on all things quantum, helping to establish UW as a leader in the coming quantum age.

## Quantum impact

[Professor Kai-Mei Fu](#) discusses the role of universities in advancing quantum technologies in a recent episode from Microsoft's Quantum Impact series.

## STUDENT STARTUPS



## Student startup Aerospec selected for UW accelerator program

Aerospec, a spinout from [Professor Igor Novosselov's lab](#), is developing a real-time air quality monitoring system.

## Student startup ChocoLED wins Environmental Innovation

ChocoLED, a spinout from [Professor Christine Luscombe's lab](#), is developing a low-cost, eco-friendly solution to lighting and displays using cocoa beans.

## RESEARCH HIGHLIGHTS

### **Soft and stretchable thermoelectric generators enabled by liquid metal elastomer composites**

This report describes thermoelectric generators that can stretch, bend and twist while remaining functional making them well-suited for self-powered wearables.

## EWOD-aided droplet transport on texture ratchets

This report describes new digital microfluidic device that can be used to transport aqueous droplets on an open surface exposed to air.

Applied Physics Letters



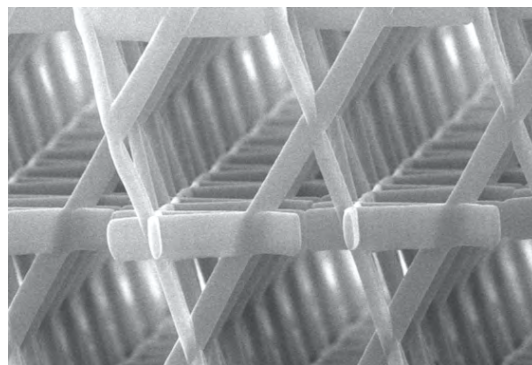
## Scalable continuous flow Metal-Organic Framework (MOF) synthesis using supercritical CO<sub>2</sub>

This research paper presents a novel sustainable and scalable method for rapidly synthesizing Metal-Organic Frameworks, materials that could be used in a range of applications from targeted drug-delivery to batteries.

ACS Sustainable Chemical Engineering



## WASHINGTON NANOFABRICATION FACILITY



### Staff spotlight

Since her introduction to fabrication processes & tools as an undergraduate intern at [NIST](#), WNF research engineer Sarice Jones has spent a lot of time in the cleanroom. At WNF, Sarice helps ensure our tools operate optimally.

### DFab demos

The digital fabrication (DFab) community at UW hosted a virtual showcase highlighting nanofabrication research at UW. [Watch a recording of the demos here.](#)

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