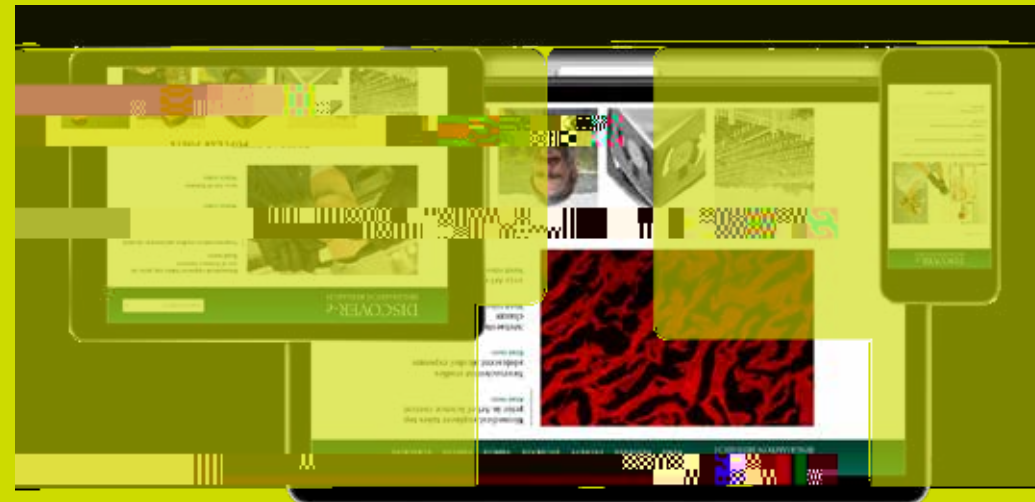


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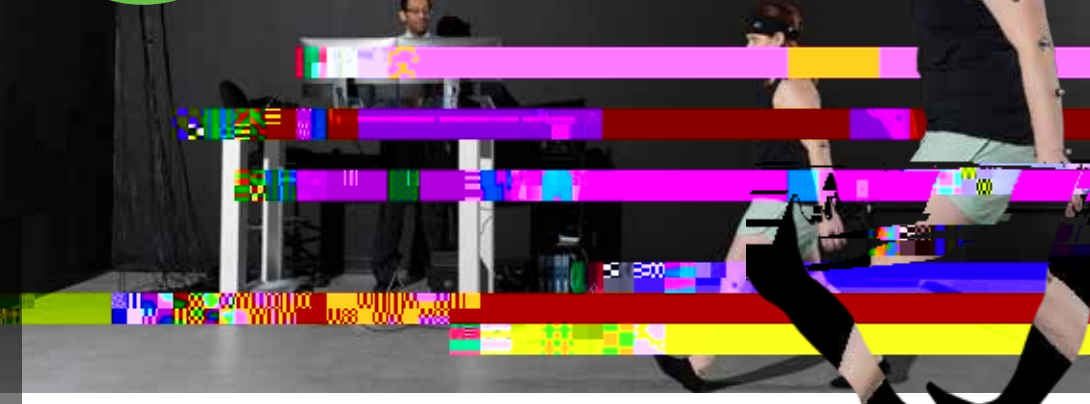
# 1 THE NOBEL LAUREATE WHO INVENTED THE LITHIUM-ION BATTERY? YEAH, HIS LAB IS ON CAMPUS.



Bingham on chemist M. Stanley Whittingham received the 2019 Nobel Prize for Chemistry. Today his team at the Northeast Center for Chemical Energy Storage (NECCES) takes a holistic, ambitious approach to making and designing batteries.

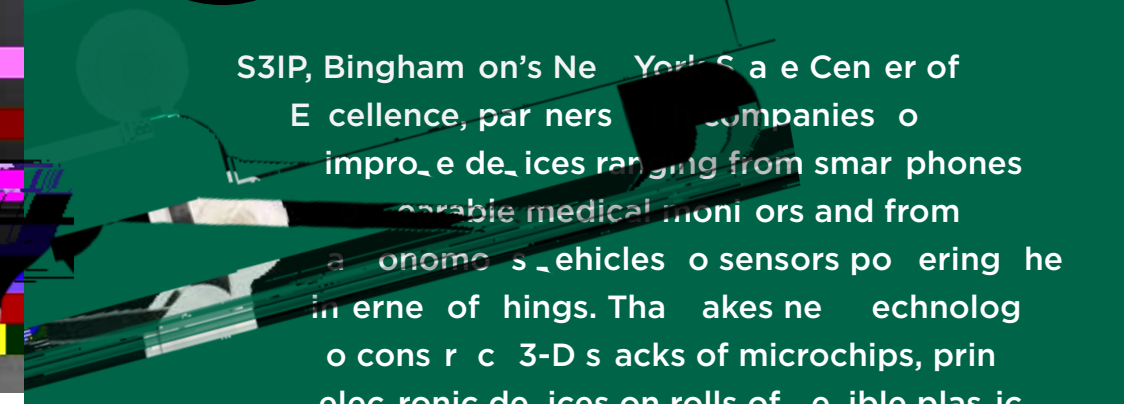
We only work on things that can power a million cars. Whittingham says.

# 2 WE WANT TO KEEP YOU MOVING.



Bingham on's new 1,600-sq are-foot Motion Analysis Research Lab has some of the most sophisticated equipment available for conducting human motion research focused on improving people's health and quality of life. The lab, led by Associate Professor Vipin L. Gade, brings together faculty and students from physical therapy and occupational therapy programs as well as engineering.

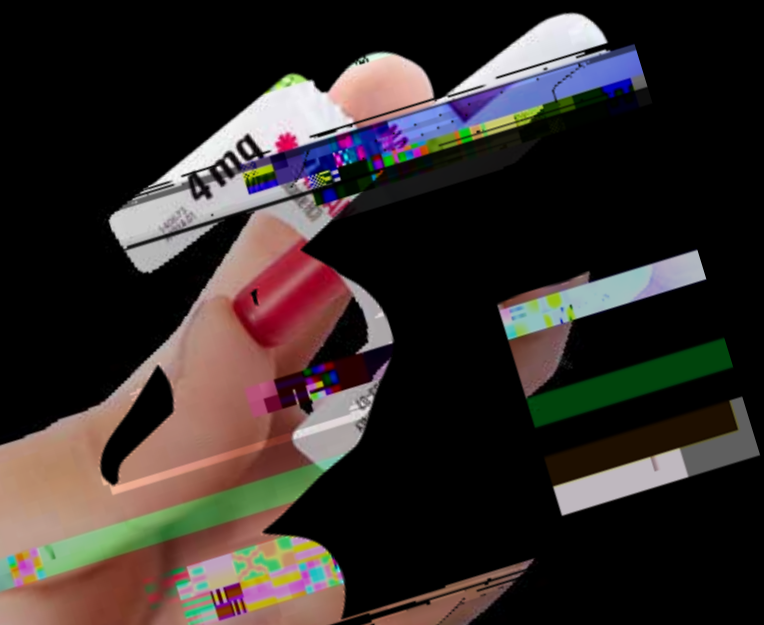
# 3 OUR RESEARCH MAKES ELECTRONIC DEVICES FASTER, SMALLER AND GREENER.



S3IP, Bingham on's New York State Center of Excellence, partners with companies to improve devices ranging from smartphones to wearable medical monitors and from autonomous vehicles to sensors powering the Internet of Things. That makes new technology more compact: 3-D stacks of microchips, printed electronic devices on rolls of flexible plastic and glass, less energy in data centers, and more efficient solar cells made of cheap, abundant materials.



What strategies can be deployed to ensure better access to life-saving tools tomorrow? Pharmacist researcher William Eggleston hopes to expand the use of nanotechnology



Firs Bingham on geophysicsists Alex Nikulin and Tim de Sme combined specialized cameras and machine learning technology with drones to spot unexploded landmines. More recently, he realized the same approach could help locate abandoned gas wells, which pose an environmental hazard. They have launched a startup company called Aleair to develop the technology further.

Faculty author Li Rosenberg brings to beloved readers of life in recent biographies for young readers. *Scribbles, Sorrows, and Russet Leather Boots: The Life of Louisa May Alcott* draws on the author's journals and letters, illuminating the life of the writer who gave us *Little Women*.

Meanwhile, *House of Dreams: The Life of L. M. Montgomery* introduces fans of *Anne of Green Gables* to the complicated life of the woman behind the masterpiece.

DO WE HAVE A CULTURE OF INNOVATION?  
LET'S JUST SAY THAT EVEN FIRST-YEAR  
STUDENTS DO RESEARCH.

The First-Year Research Immersion program introduces undergraduate students to research from the time they arrive at Binghamton. Participants in the FRI program tackle eight world issues, build relationships and see a course for college and career success. It's all part of our mission as an R1 Doctoral University with high research activities in the Carnegie Classifications!