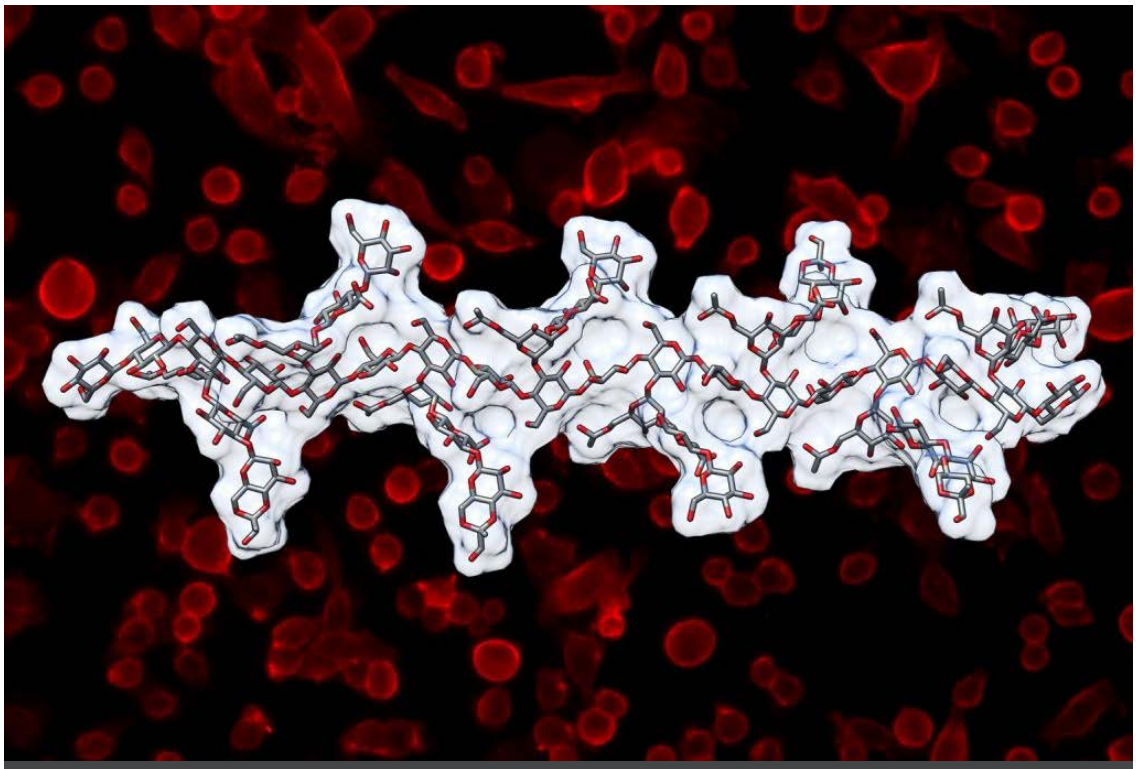
ECONOMICAL AND SUSTAINABLE MATERIALS STRATEGIC GROWTH AREA
VIRGINIA TECH™

Fall is finally here!

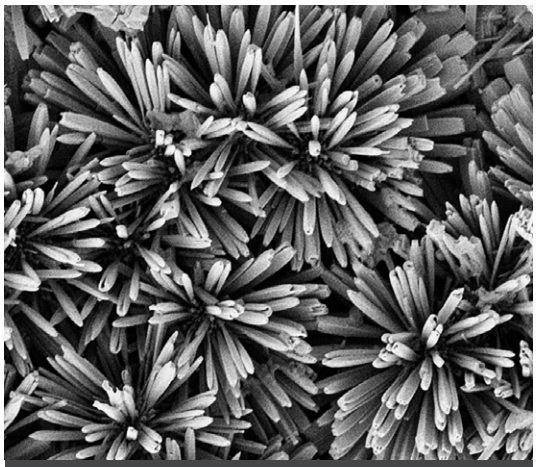
Cool-weather is starting to set in, but our staff and students have not hesitated to aid in the establishment of partnerships in support of Virginia Tech faculty, local companies, and the wider state of Virginia. Read more below to learn how Materials SGA faculty and scholars have contributed to the world of Materials Science. For daily news, follow our Twitter feed (@MaterialsSGA_VT)!



Multiuniversity partnership receives $23 million NSF grant to accelerate U.S. research on glycomaterials

Glycomaterials are produced by every living organism. They contain chains of

sugars, called glycans, that have critical roles in health and disease. Of the four building blocks of life — glycans, proteins, lipids, and nucleic acids — glycans are the most complex and are the most challenging to understand. The tool set for understanding these glycans, so crucial to life itself, lags far behind those available for understanding DNA, RNA, and proteins. Click to Learn More.



Materials Characterization Lab

The Materials Characterization Lab is a shared user facility that builds on Virginia Tech's excellence in materials research by providing access to advanced instrumentation to facilitate innovation and discovery.

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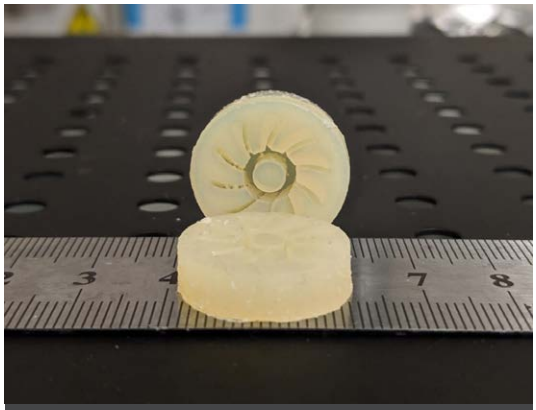
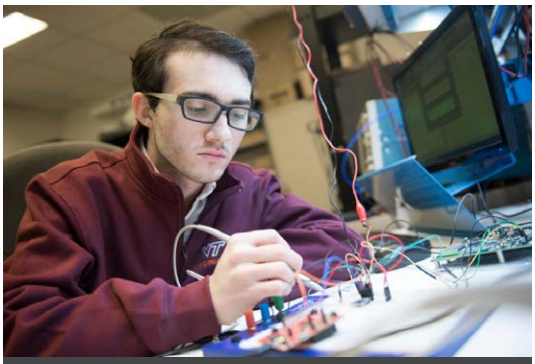


Innovations in Science and Engineering lead to 3D Printed Latex Rubber Breakthrough



Hume Center Awarded $3.8 Million for Advanced Manufacturing Education by the Department of Defense

The Department of Defense has awarded Virginia Tech researchers $3.8 million in support of the Office of Naval Research's Manufacturing Engineering Education Program.

The goal is to establish programs to better position the current and next-generation manufacturing workforce to produce military systems and components that assure technological superiority of the department, according to the Department of Defense's website.

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Virginia Tech researchers have discovered a novel process to 3D print latex rubber, unlocking the ability to print a variety of elastic materials with complex geometric shapes.

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