

Applied Engineering Mechanics By Jensen

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Applied Engineering Mechanics By Jensen

Engineer Kirsten Jensen joined Milton's Public Works team in November, and in the six months she's been on the job, she's already seen the impact her work can have on ...

Q&A with Milton's new Public Works Engineer, Kirsten Jensen

Researchers at the Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) have developed bistable inflatable structures inspired by origami.

Bistable pop-up structures inspired by origami

Using naturalistic driving data and machine learning techniques, researchers at Columbia University Mailman School of Public Health and Columbia's Fu Foundation School of Engineering and Applied ...

Using naturalistic driving data for early detection of mild cognitive impairment and dementia

(SEAS) have developed an origami-like, inflatable shelter that can pop up or fold flat. made out of thick plastic sheets, the structure can maintain its shape without constant input of pressure. the ...

origami-like inflatable shelter built by harvard researchers can pop up or fold flat

Next-generation inflatable buildings maintain their shape without constant input of pressure. In 2016, an inflatable arch wreaked havoc at the Tour de France bicycle race when it deflated and ...

Next-Generation Stable Pop-Up Structures Inspired by Origami

In 2016, an inflatable arch wreaked havoc at the Tour de France bicycle race when it deflated and collapsed on a cyclist, throwing him from his bike and delaying the race while officials scrambled to ...

Inspired by origami: Next-generation inflatable buildings maintain their shape without constant input of pressure

A 3D printing company uses its lattice technology to help resolve the national shortage of nasopharyngeal testing swabs during the pandemic.

Lattice Design Enables 3D-Printed Nasal Swab Production

Madras and representatives of other top educational institutions have released a white paper on 'biomedical engineering education' in the country ...

White Paper On Biomedical Engineering Education Released

Fixing traumatic injuries to the skin and bones of the face and skull is difficult because of the many layers of different types of tissues involved, but now, researchers have repaired such defects in ...

Skin and bones repaired by bioprinting during surgery

When flat, the structure is about the size of a twin mattress. But when it's inflated, walls widen, and a roof snaps into place.

This Human-Sized Origami Reimagines Emergency Shelters

Years of problems stopped a multimillion-dollar project from opening near El Paso Water's desalination plant. A Florida company saw an opportunity.

Florida firm plans to mine minerals by reviving failed El Paso brine treatment plant

Dealing with composite defects, fixing hard and soft tissues at once is difficult. And for the craniofacial area, the results have to be esthetically ..

Scientists discover new method to effectively repair bone, skin during surgery

Fixing traumatic injuries to the skin and bones of the face and skull is difficult because of the many layers of different types of tissues involved, but now, researchers have repaired such defects in ...

Fixing traumatic injuries to the skin and bones using bioprinting during surgery

Researchers at the School of Engineering and Applied Sciences created a new method to transform the fundamental topology of cellular material, according to their paper published in the peer-reviewed ...

SEAS Researchers Develop Method to Change the Fundamental Microscopic Shape of Materials

An applied mathematics team created origami-inspired tents that can collapse to the size of a twin mattress with ease ...

Inflatable Origami Structures Could Someday Offer Emergency Shelter

Diverse many-body systems, from soap bubbles to suspensions to polymers, learn and remember patterns in the drives that push them far from equilibrium. This learning may be leveraged for computation, ...

Machine learning outperforms thermodynamics in measuring how well a many-body system learns a drive

Researchers at MIT have developed a new method for determining the structure and behavior of a class of widely used soft materials known as weak colloidal gels, which are found in everything from ...

'Colloidal gels,' ubiquitous in everyday products, divulge their secrets

Collected in this volume are nineteen selected contributions written by twenty-six scholars in the field, in honour of their teacher and colleague, Professor ...

Mechanics of the Solid State

Though neural-network-based machine learning is escalating in popularity, the mechanics behind it tend to be misconstrued or simply not known at all.

Understanding the Art of Machine Learning

Boeing CEO Dave Calhoun said 2021 should be "a key inflection point" for the industry as vaccine distribution accelerates. But he warned the next six months will be very challenging for airlines and ...

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