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engineering have emerged over the years. Orimimetrics is the application of folding to solve engineering problems [2]. Rigid origami considers creases

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Origami In Engineering And Architecture  
Origami Folding: A Structural  
Engineering Approach Mark Schenk and  
Simon D. Guest September 14, 2010  
Abstract In this paper we present a novel  
engineering application of Origami, using  
it for both the exibility and the rigidity the  
folding patterns provide. The proposed  
Folded Textured Sheets have several inter-  
esting mechanical properties.

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## Origami Folding: A Structural Engineering Approach

Much of the recent research inspired by origami spans across fields, from mathematics, physics, and computer science to materials engineering, biotechnology, aerospace, and architecture. In mathematics and computational origami, the kinematics is usually simplified by considering rigid panels (also known as rigid foldable origami), with a focus on geometry and topological considerations ( 3 ...

Origami In Engineering And Architecture  
Origami in Engineering and Architecture  
An art and science spanning Mathematics,  
Engineering and Architecture Dr Mark  
Schenk (ms652@cam.ac.uk) Origami Art  
Origami is the name for the ancient

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Japanese art of paper folding. The word comes from Japanese, and is a combination of 'oru', which means 'fold' and 'kami', which means 'paper'.

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The technical term "Origamic Architecture" appeared that many new engineers are using it to create smart and modern designed buildings, after attempts to make architectural designs based on the Origami concept, it's becoming a trend in contemporary architecture.

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Much of the recent research inspired by origami spans across fields, from mathematics, physics, and computer science to materials engineering, biotechnology, aerospace, and architecture. In mathematics and computational origami, the kinematics is usually simplified by considering rigid panels (also known as rigid foldable

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origami), with a focus on geometry and topological considerations ( 3 ...

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Concurrent to this growing architectural adoption, origami has been explicated in terms of mathematics, architecture and engineering by some of the leading experts since the early 1970's.

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Architecture and Engineering Following

from what we can observe in nature, the principle of folding may be used as a tool to ...

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