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In this issue

Research Article

Open Access Research Article PTZAID:ALO-4-108

Origami influence on container design

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Author(s): Kleanthis Antoniou and Erkan Oterkus*

This study examines the capabilities that the origami tradition can contribute to the structural efficiency of a container. Art and tradition meet engineering in an effort to modify the mechanical properties of a conventional design and broaden its potential, as a heavy and sensitive motor is to be transported in a secure way. Using Finite Element Analysis, a thorough ...

Abstract View Full Article View DOI: 10.17352/alo.000008

Open Access Research Article PTZAID:ALO-4-107

Assessment of energy storage technologies for case studies with increased renewable energy penetration

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Author(s): Nikolaos Ntavarinos, Peter Davies and Erkan Oterkus*

This study aspires to assess state of the art storage technologies for fi ve different scenarios including an offshore wind farm, an onshore wind farm, an islanded grid, a microgrid in Egypt and a solar power system. ...

Abstract View Full Article View DOI: 10.17352/alo.000007