## December 2014

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## Volume 140, Issue 12

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## **TECHNICAL PAPERS**

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Modeling Attenuation of Storm Surge over Deformable Vegetation: **Methodology and Verification** 

Haihong Zhao and Qin Chen

J. Eng. Mech. 140(12), 04014090 (2014);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000704

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Online Publication Date: 5 Sep 2013

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Analytical Model for the Pullout Behavior of Straight and Hooked-End **Steel Fibers** 

Y. Zhan and G. Meschke

J. Eng. Mech. 140(12), 04014091 (2014);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000800

Online Publication Date: 5 May 2014

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Plane-Strain Crack Problem in Transversely Isotropic Solids for Hydraulic **Fracturing Applications** 

Hadrien Laubie and Franz-Josef Ulm

J. Eng. Mech. 140(12), 04014092 (2014);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000807

Online Publication Date: 9 May 2014

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Nonhomogenized Displacement Discontinuity Method for Calculation of Stress Intensity Factors for Cracks in Anisotropic FGMs

Jui-Hung Chang and Geo-Jih Liao

J. Eng. Mech. 140(12), 04014093 (2014);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000799

Online Publication Date: 9 May 2014

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Geometrically Linear and Nonlinear First-Ply Failure Loads of Composite Cylindrical Shells

Kaustav Bakshi and Dipankar Chakravorty

J. Eng. Mech. 140(12), 04014094 (2014);

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Online Publication Date: 16 May 2014

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Modeling of Flexural Behavior and Punching Shear of Concrete Bridge Decks with FRP Stay-in-Place Forms Using the Theory of Plates

Mark Nelson and Amir Fam

J. Eng. Mech. 140(12), 04014095 (2014);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000813

Online Publication Date: 22 May 2014

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**Characterization of Yield Surfaces for FRP-Confined Concrete** 

Jia-Fei Jiang and Yu-Fei Wu

J. Eng. Mech. 140(12), 04014096 (2014);

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| Cited 1 time

Online Publication Date: 23 May 2014

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**Damage/Deterioration Detection for Steel Structures Using Distributed Fiber Optic Strain Sensors** 

Neil A. Hoult, Omurden Ekim, and Ryan Regier

J. Eng. Mech. 140(12), 04014097 (2014);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000812

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Upper-Bound Axisymmetric Limit Analysis Using the Mohr-Coulomb Yield Criterion, Finite Elements, and Linear Optimization

**Jyant Kumar and Manash Chakraborty** 

J. Eng. Mech. 140(12), 06014012 (2014);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000820

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