

**From:** SAE Customer Service  
**Sent:** Thursday, July 11, 2013 1:26 PM  
**To:** Stephanie Stroud  
**Subject:** SAE Off-Highway Engineering: Optimizing brake-by-wire

Dear Stephanie Stroud,

Welcome to the [July 11, 2013 edition](#) of SAE Off-Highway Engineering.

- [Optimizing brake-by-wire](#)  
An optimal control strategy is introduced that ensures minimum control effort, resulting in minimum actuator power consumption while simultaneously providing efficient braking performance.
- [Technical Innovations](#)  
Sauer-Danfoss gives control to piston pumps
- [Original Equipment](#)  
Liebherr's concept excavator with electric-hybrid powertrain

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Sincerely,  
Jean Broge  
Managing Editor

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