

REGULAR PAPERS ISSUE

**712 6G for Vehicle-to-Everything (V2X) Communications: Enabling Technologies, Challenges, and Opportunities**

By M. Noor-A-Rahim, Z. Liu, H. Lee, M. O. Khyam, J. He, D. Pesch, K. Moessner, W. Saad, and H. V. Poor

| CONTRIBUTED PAPER | This article provides a comprehensive overview of the scientific and technological advances that have the capability to shape future 6G vehicle-to-everything (6G-V2X) communications.

**735 A Review of Second-Life Lithium-Ion Batteries for Stationary Energy Storage Applications**

By X. Hu, X. Deng, F. Wang, Z. Deng, X. Lin, R. Teodorescu, and M. G. Pecht

| CONTRIBUTED PAPER | This article provides a look at the current research status of second-life lithium-ion batteries, focusing in particular on their technical aspects in stationary energy storage applications.

**754 A Comprehensive Review on Signal-Based and Model-Based Condition Monitoring of Wind Turbines: Fault Diagnosis and Lifetime Prognosis**

By H. Badhi, Youmin Zhang, B. Jiang, P. Pillay, and S. Rakheja

| CONTRIBUTED PAPER | This article reviews the state-of-the-art condition monitoring technologies used for fault diagnosis and lifetime prognosis in wind turbines.

DEPARTMENTS

**710 SCANNING THE ISSUE**

**807 SCANNING OUR PAST**

Before “True Television”:  
Investigating  
John Logie Baird’s  
1925 Original  
Television Apparatus  
D. F. McLean

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A Review of Second-Life Lithium-Ion Batteries for Stationary Energy Storage Application  
A Comprehensive Review on Signal-Based and Model-Based Condition Monitoring of Wind Turbines: Fault Diagnosis and Lifetime Prognosis  
Scanning Our Past: Before “True Television”  
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**On the Cover:**  
This month’s cover image captures a driver’s view of a vehicle using vehicle-to-everything (V2X) communication, which has attracted significant research interest in both academia and industry.