Table of Contents

Saving Energy in Text Search Using Compression Javier Mancebo, Coral Calero, Felix Garcia, Nieves Rodriguez Brisaboa, Antonio Farina, and Oscar Pedreira	1
Energy-Aware Design Considerations for Ethernet-Based 5G Mobile Fronthaul Networks Line Larsen, Michael Berger, and Henrik Christiansen	8
Nuclear Energy and Solving Global Environmental Problems Vladimir Grachev and Natalia Kurysheva	14
Electric Vehicles Deployment in China and the Associated Implications on the Energy Grid and Carbon Footprint: Lessons for South Africa Benedict Ateba	19