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Autore	McDonald John W. <1922->
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Sommario/riassunto	The Shifting Grounds of Conflict and Peacemaking contains the professional life lessons of Ambassador John W. McDonald and offers his insight into international issues, providing frank and informed discussion on the environment, women's rights, the global water crisis, sustainable resources, international development, and, above all, peace.

2. Record Nr.	UNINA9911007060103321
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Nota di contenuto	Intro -- Title -- Copyright -- Contents -- About the editor -- Foreword -- Preface -- List of contributors -- Chapter 1 Introduction -- 1.1 State of the art -- 1.2 Application requirements -- 1.3 Research methodology -- 1.4 Research status and direction -- 1.5 Chapter summary -- Acknowledgment -- Chapter 2 Mechanism and influencing factors of lithium-ion batteries -- 2.1 Introduction -- 2.2 Operating mechanism -- 2.2.1 Brief introduction -- 2.2.2 Battery composition -- 2.2.3 Working principle -- 2.2.4 Cycling lifespan -- 2.3 Battery characteristics -- 2.3.1 State of power -- 2.3.2 Internal resistance -- 2.3.3 Open-circuit voltage -- 2.3.4 Self-discharge current rate -- 2.3.5 Terminal voltage -- 2.3.6 Current heat energy -- 2.3.7 Capacity variation -- 2.3.8 Temperature change -- 2.4 Critical indicators for battery state estimation -- 2.4.1 Description of major parameters -- 2.4.2 Temperature effects -- 2.4.3 Charge__amp__#8211 discharge current rate -- 2.4.4 Aging degree -- 2.4.5 Self-discharge rate -- 2.5 Basic state estimation strategies -- 2.5.1 Discharging test -- 2.5.2 Ah integral method -- 2.5.3 Open-circuit voltage method -- 2.5.4 Internal resistance method -- 2.6 Kalman filtering and its extension -- 2.6.1 Kalman filtering -- 2.6.2 Extended Kalman filtering -- 2.6.3 Unscented Kalman filtering -- 2.6.4 Dual Kalman filtering -- 2.6.5 Adaptive

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Sommario/riassunto

Batteries are vital for storing renewable energy for stationary and
 mobile applications. Managing batteries requires knowledge of
 parameters such as charge and power output. State estimation
 estimates such parameters using measurement and modelling; a
 process conveyed in this book through experimental results and
 verification.

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