

**Lessons from the 2015 DOE Quadrennial Technology Review: The Role of Research and Development  
in our Energy Future**

Michael Knotek<sup>C, S</sup>

*Office of the Under Secretary for Science and Energy, U.S. Department of Energy, Washington, DC, U.S.A.*

*Michael.Knotek@hq.doe.gov*

The second Quadrennial Review, QTR 2015, is a comprehensive analysis of the state of the technologies to support the tremendous span of the Energy Enterprise in the US and around the world. The review includes systems analyses and technology assessments for Fuels and Feedstocks, Electric Power Systems, Modernization of the Electric Grid, Building Systems Efficiency, Industry and Manufacturing, Clean Transportation and Vehicle Systems, and Enabling Capabilities for Science and Energy. The report is supported by 60 in-depth technology assessments for the foundational technologies for these topical areas. The results of these analyses and the resulting set of opportunities, challenges, and priorities will be discussed.