



## Biography

### Mark Johnson



Mark Johnson leads ARPA-E's Grid-Scale Rampable Intermittent Dispatchable Storage (GRIDS) program, which targets disruptive grid-level stationary energy storage technologies.

Johnson joined ARPA-E on assignment from NC State University, where he previously served as the Director of Industry and Innovation Programs for the Future Renewable Electric Energy Delivery and Management (FREEDM) Systems Center, a National Science Foundation Gen-III Engineering Research Center focused on the convergence of power electronics, energy storage, renewable resource integration and information technology for electric power distribution.

Johnson is an Associate Professor of Materials Science and Engineering as well as Director of Engineering for the Technology, Entrepreneurship and Commercialization (TEC) Program at NC State. His work has focused at the intersection of smart-grid, renewable energy, wide band-gap semiconductor materials and devices, communications and photonics technologies; as well as entrepreneurship, technology transfer, and public-private partnership formation. Johnson has been a successful entrepreneur, playing a critical role in the early-stage formation of Quantum Epitaxial Designs, EPI MBE Systems, and Nitronex.

Johnson holds a B.S. from Massachusetts Institute of Technology and a Ph.D. from North Carolina State University, both in Materials Science and Engineering.