

Vehicle Technologies Office Newsletter

Director's Corner

It's been a busy spring for VTO. We released several funding opportunities, wrapped up 2018 with the Annual Progress Reports, and launched new efforts aimed at reclaiming and recycling lithium-ion batteries (learn more below).

At our upcoming Annual Merit Review, researchers will share updates on the progress made on many of our projects that are already underway. We hope to see you there!

-David Howell
Acting VTO Director

Meet the Team:

David Anderson



The Vehicle Technologies Office's Energy Efficient Mobility Systems Program Manager, David Anderson, started his career in the semiconductor industry. Learn how he made the transition to working at DOE's Vehicle Technologies Office in our [recent interview](#) with David.

Office Highlights

Register for the 2019 Annual Merit Review

VTO will hold its [2019 Annual Merit Review \(AMR\)](#) June 10-13, 2019, at the Hyatt Regency Crystal City hotel in Arlington, Virginia. Click [here](#) to register for the AMR and to reserve your room.

U.S. Department of Energy Announces Lithium-Ion Battery Recycling Prize and Opening of Battery Recycling Center at Argonne National Laboratory

On February 15, 2019, the U.S. Department of Energy (DOE) announced the launch of the Lithium-Ion Battery Recycling Prize. This \$5.5-million phased prize competition is designed to incentivize American entrepreneurs to develop and demonstrate processes that, when scaled, have the potential to profitably capture 90% of all discarded or spent lithium-based batteries in the United States, for eventual recovery of key materials for re-introduction into the U.S. supply chain. Read more about the [Lithium-Ion Battery Recycling Prize](#).

DOE also announced the opening of a Battery Recycling Center at Argonne National Laboratory for recycling critical materials from lithium-based batteries.



U.S. Department of Energy Announces New Solicitation for Advanced Vehicle Technologies Research

On April 3, DOE announced the availability of up to \$59 million for new and innovative advanced vehicle technologies research. This funding opportunity seeks projects to address priorities in advanced batteries and electric drive systems, energy efficient mobility systems, materials for more efficient powertrains, co-optimized advanced engine and fuel technologies, and alternative fuels and new mobility options. [Read more about the solicitation.](#)

U.S. Department of Energy Announces New Solicitation for the High Performance Computing for Energy Innovation (HPC4EI) Initiative

The U.S. Department of Energy (DOE) has announced nearly \$5.2 million for a new solicitation under the [High Performance Computing for Energy Innovation \(HPC4EI\) Initiative](#), the umbrella program for the HPC4Manufacturing (HPC4Mfg), HPC4Materials (HPC4Mtls), and HPC4Mobility programs. The new [funding opportunity](#) seeks qualified industry partners to work collaboratively with DOE's National Laboratories on projects that use High Performance Computing (HPC) to solve key technical challenges. These technical challenges include development and optimization of modeling and simulation codes, porting and scaling of applications, application of data analytics, and applied research and development of tools or methods.

Commercial Truck, Off-road Vehicle, and Gaseous Fuels Solicitation

On March 1, the U.S. Department of Energy (DOE) announced the availability of up to \$51.5 million for new and innovative research of technologies for trucks, off-road vehicles, and the fuels that power them. This funding opportunity addresses priorities in gaseous fuels research, including natural gas, biopower, and hydrogen; heavy-duty freight electrification; hydrogen infrastructure and fuel cell technologies for heavy-duty applications; and energy efficient off-road vehicles. [Read more about the solicitation.](#)

Department of Energy Announces \$89 Million for Innovative Manufacturing Technologies

On May 7, the U.S. Department of Energy (DOE) announced \$89 million to support innovative, advanced manufacturing research and development projects. A key focus of Topic 1 is developing and scaling new, low-cost manufacturing processes to catalyze increased domestic battery manufacturing for vehicle and stationary applications. [Read more about the solicitation.](#)

Reports and Publications

Find more on [VTO's Reports & Publications page](#).

21st Century Truck Partnership Research Blueprint

The freight and passenger transportation sectors are undergoing fundamental disruptions because of advances in technology and innovation. The 21st Century Truck Partnership Research Blueprint outlines an expanded effort to accelerate technology research and development to make commercial transportation more efficient and secure.

U.S. DRIVE Highlights of Technical Accomplishments 2018

Each one-page summary represents what government and industry experts collectively consider to be significant progress in the development of advanced automotive and energy infrastructure technologies.

Annual Progress Reports: Fiscal Year 2018

Each year, the Vehicle Technologies Office (VTO) produces annual reports for each of its subprograms. These reports highlight technology improvements and other progress made towards reaching the individual subprogram goals, as well as how these accomplishments support VTO's mission.

- Advanced Combustion Systems & Fuels FY2018 APR
- Analysis FY2018 APR
- Batteries FY2018 APR
- Energy Efficient Mobility Systems FY2018 APR
- Electrification FY2018 APR
- Materials FY2018 APR
- Technology Integration FY2018 APR

