

Patrick M. Walsh

Argonne National Laboratory
Center for Transportation Research
9700 South Cass Avenue, Building 362
Argonne, IL 60439-4837
phone: 630/252-3016
e-mail: pwalsh@anl.gov

Professional Experience

- **2011-Present. Advanced Vehicle Testing and Controls Engineer**, Argonne National Laboratory, Argonne, Illinois.
- **2009-2011. Team Leader**, Hybrid Electric Vehicle Team, Virginia Tech, Blacksburg, Virginia.
- **2010, Summer. Research Aide**, Argonne National Laboratory, Argonne, Illinois.
- **2007-2008. Mechanical Engineering Co-op**, BMW Manufacturing Co., Spartanburg, South Carolina.
- **2004-2006. Automotive Technician**, Twin Star BMW-SAAB, Richmond, Virginia.

Publications

- **Walsh, P., Nelson, D. (2012).** Impact of Supervisory Control on Criteria Tailpipe Emissions for an Extended-Range Electric Vehicle. *SAE World Congress 2012. (pending)*
- **Alley, R., Walsh, P., et al. (2012).** Refinement and Testing of a Split Parallel Extended Range Electric Vehicle. *SAE World Congress 2012. (pending)*
- **Walsh, P. (2011).** Tailpipe Emissions and Energy Consumption Tradeoffs for a Plug-In Hybrid Electric Vehicle. *Virginia Tech Electronic Theses and Dissertations.*
- **Walsh, P., et. al. (2011).** An Extended-Range Electric Vehicle Control Strategy for Reducing Petroleum Energy Use and Well-to-Wheel Greenhouse Gas Emissions. *SAE World Congress 2011.*
- **Gantt, L., Walsh, P., et al. (2011).** Validation of an E85 Extended Range Electric Vehicle. *SAE World Congress 2011.*
- **Gantt, L., Walsh, P., et. al. (2010).** Design and Development Process for a Range Extended E85 Split Parallel Hybrid Electric Vehicle. *ASME 2010 International Design Engineering Technical Conference.*

Awards & Activities

- American Society of Mechanical Engineers, Society of Automotive Engineers
- Awarded Ingersoll-Rand Graduate Fellowship for Spring Semester of 2010-11