



## ABOUT LITE

The mission of the Laboratory for IT Entrepreneurship (LITE) is to promote entrepreneurship in Information Technology across the Mason community and guide IT ventures from idea to launch.

## WHAT WE OFFER

- Seminars & Workshops
- Advising
- Competitions
- Courses
- Opportunities to connect
- Access to resources



For questions, email  
[lite@gmu.edu](mailto:lite@gmu.edu)

## SEMINAR ANNOUNCEMENT - APRIL 15

### “Unlocking the Energy: Fueling Processes and Vehicles from Local Biomass and the Role of IT”

**SPEAKER:** Jason Force, Founder, E-Mow Technologies

**DATE:** Tuesday, April 15, from 12 pm to 1 pm 🍕 Pizza will be served

**LOCATION:** Engineering Building, Room 4801, Fairfax Campus

#### ABSTRACT

E-Mow is pioneering the development and adoption of automated harvesters to process standing grassy biomass sources directly to grass pellet fuel. The speaker and founder of E-Mow will provide an overview of this innovative technology, illustrating the role of IT in automating and optimizing the process of harvesting local biomass sources and converting them into fuel. Fuel derived from gasification of biomass is a proven method of providing energy for vehicles, power plants, and industrial processes. In the late 1940's almost 700,000 vehicles in Europe were powered by fuel converted on board from wood chunks. Advances in electronic controls and other fields give this technology a new edge. The speaker will discuss some of the potential applications of this new technology, including grid power, autonomous vehicles, civil infrastructure, and energy security.



#### SPEAKER INFORMATION

Jason Force is a Mason graduate in Electrical Engineering graduate, BS '96, and is currently pursuing his MS degree in Electrical Engineering at Mason. In the intervening years, he has been involved in electronics designs for Radio-Frequency projects, software defined radio, LIDAR obstacle detection, laser power transmitters, and on-orbit space systems.