



## *Columbus Technical Society*

Columbus Technical Society (CTS) is an affiliation of member organizations that hosts joint meetings for all member groups. Varied disciplines provide exposure to diverse topics and extended networking opportunities outside of one's own field.



## ***Tour of the Gear and Power Transmission Research Laboratory (GearLab)***

**When:**

December 2<sup>nd</sup>, 2019  
5:30 PM

**Where:**

Scott Lab room E100  
201 W 19<sup>th</sup> Ave  
Columbus, OH 43210

**Cost:**

Member \$10  
Student \$10  
Non-Member \$20

The Gear and Power Transmission Research Laboratory, formerly the Gear Dynamics and Gear and Power Transmission Laboratory, is a research group at The Ohio State University in Columbus, Ohio, dedicated to aiding sponsoring industries and government agencies by enhancing gear and power transmission technology through fundamental and applied research and transfer research results providing graduate and under graduate students with applied educational and research opportunities in gear and power transmission related disciplines, and keeping sponsors updated on latest gear and transmission technologies.

The research portfolio of the GearLab is formed by a number basic and applied research projects designed to develop new technologies and validated methods towards aiding one or more of the common goals of its sponsors, including increasing power density, improving quality, reducing noise and vibration, improving efficiency and lubrication, and reducing cost of power transmission and gear systems. With application to gear and power transmission systems, GearLab's research projects fall in a number of mechanical engineering disciplines including geometry, kinematics, design and analysis, dynamics, vibrations, acoustics and noise control, contact mechanics, load distribution models and FEA, power losses and efficiency, contact and bending fatigue, engineered surfaces, wear, lubrication and tribology, and metrology and test methodologies.

We'll begin with an introduction to the facility then proceed with the tour and Q&A.

Dr Ahmet Kahraman, the Director of the GearLab will be providing the discussion on their research and the lab.

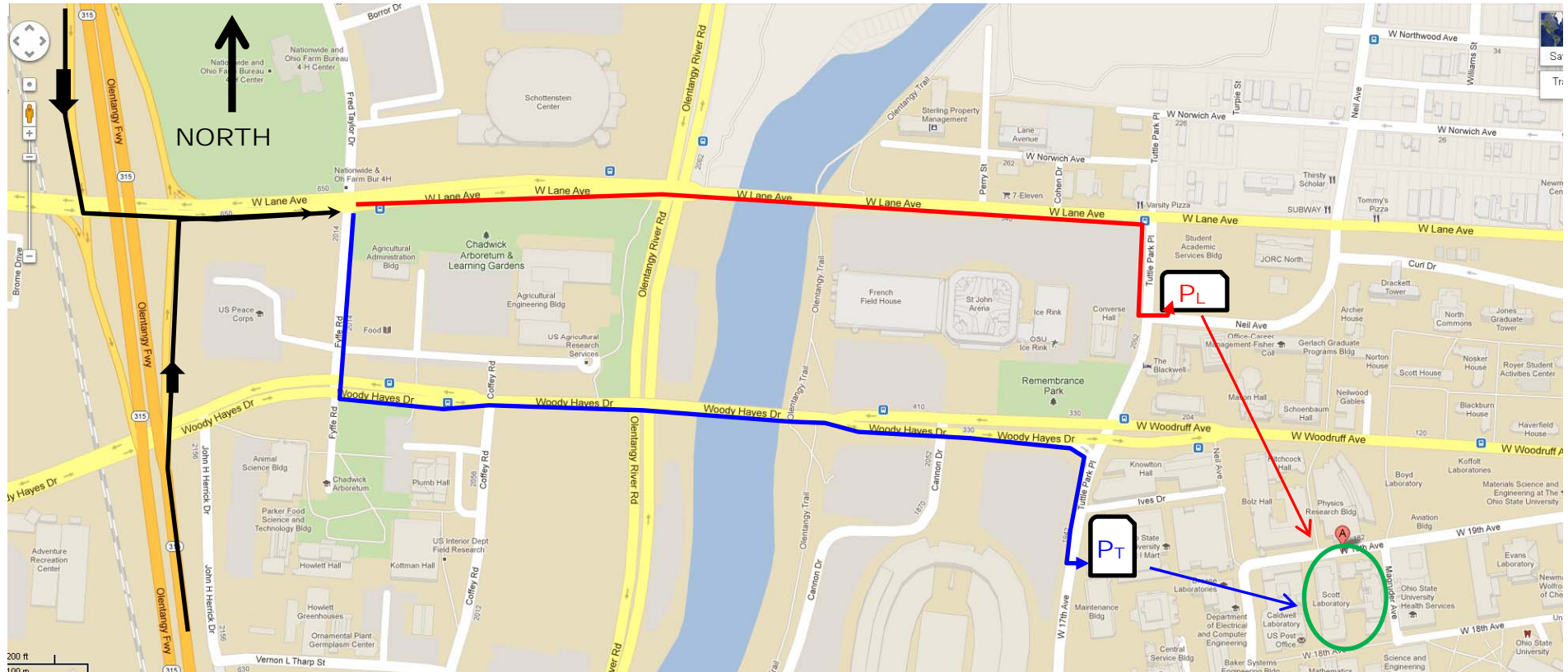
**For Reservations  
Contact:**

Please RSVP through:  
<https://forms.gle/yB5XGNfjHTjVltH8>

For any questions, Contact:  
TJ Prewitt  
[TJ.Prewitt@dnvgl.com](mailto:TJ.Prewitt@dnvgl.com)  
Phone: 614-734-6135  
Reservations final Nov.25th

# Parking at The Ohio State University

(updated: March 2019)



Please park your car either at **Lane Avenue Parking Garage (P<sub>L</sub>)** or **Tuttle Parking Garage (P<sub>T</sub>)**

**Lane Avenue Parking Garage (P<sub>L</sub>)**  
2105 Neil Avenue, Columbus, OH 43210



**Tuttle Parking Garage (P<sub>T</sub>)**  
2050 Tuttle Park Place, Columbus, OH 43210





Scott Laboratory  
Department of Mechanical and Aerospace Engineering  
The Ohio State University  
201 West 19<sup>th</sup> Avenue, Columbus, OH 43210, USA



Figure 1: Scott Laboratory (view from south side)

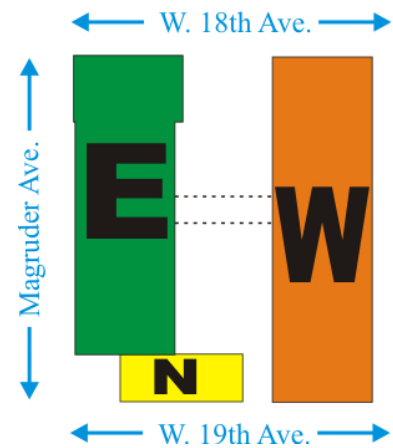


Figure 2: Scott Laboratory (view from north side)