

NASA Flight Director

**Brian T. Smith
Villanova '93 EE**

Will Present

The International Space Station: Engineering the Unknown

When: Friday, February 23 at 2:30 PM

Where: Villanova University, Connelly Center

During his lecture Smith will provide real world examples that he personally was involved with and share how the NASA community uses Creative Engineering, Reverse Engineering and Real-Time Engineering to solve problems in the absence of key information.

IEEE Philadelphia members are cordially invited to attend.

Contact: kimberly.shimer@villanova.edu

[Campus Map](#)

**Philadelphia Chapter PSPE
Engineers Club of Philadelphia
Philadelphia Section IEEE**

UTC – RAS

Manufacturing Facility & Model Railroad Tour

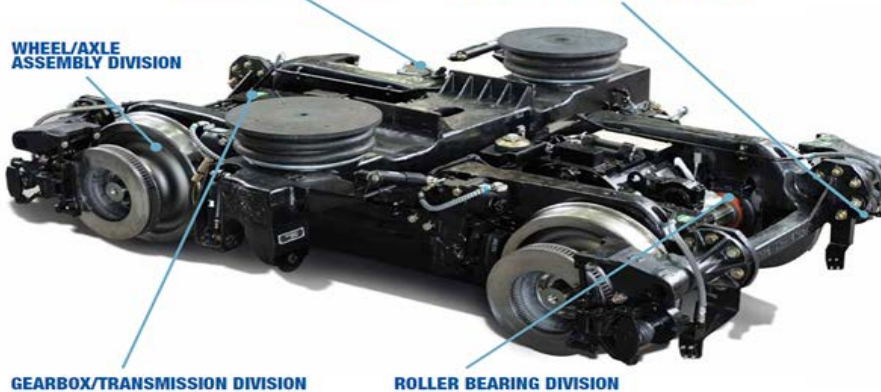
UTC | RAS RAIL SYSTEMS GROUP DIVISIONS:
TRUCK ASSEMBLY DIVISION

MACHINING/FABRICATION DIVISION

WHEEL/AXLE
ASSEMBLY DIVISION

GEARBOX/TRANSMISSION DIVISION

ROLLER BEARING DIVISION



UTC | RAS is a certified wheel, axle, bearing, truck, gearbox and transmission remanufacturing facility specializing in passenger, transit, locomotive, freight, & light rail rolling stock. With expertise in railroad engineering technology, ITC|RAC's provides Precision Machining and Metal Fabrication, Wheel and Axle Assembly, New Truck Assembly, Roller Bearing Reconditioning, Truck & Gearbox Remanufacturing, Train-line Jumper/Wire Harness Assembly & other specialty component manufacturing.

**501 Highland Ave
Morton, PA 19070.**

The tour meets the requirements for 2.0 Professional Development Hours for continuing education "activity" in NY, PA, NJ and National Model States.

Thursday - March 1, 2018

Registration and Refreshments – 5:30 PM – 6:00 PM

Tour – 6:00 PM – 8:00 PM

Price - \$25.00

TOUR IS LIMITED TO 25 PEOPLE

FOR RESERVATIONS AND PAYMENT BY PAY PAL GO TO:

<http://www.pspe-philly.org>