



## Technical Workshop:

**Title:** TWP 505 – Matlab, Simulink, StateFlow, RTW, StateFlow Coder and xPC Target Tools

**Duration:** 20 hours

**Content:**

1. Matlab: Command interface and basic functions for mathematical operations, logic and input-output for data presentation is reviewed, followed by functions library provided by different toolboxes such as Control Systems Toolbox, Signal Processing Toolbox.
2. Simulink: graphical modeling environment is discussed. Its interface to Matlab, C-code via S-functions, and hardware I/O interface are discussed.
3. RTW: Along with Stateflow, the auto-code generation for real-time implementation using RTW and StateFlow Coder is discussed.
4. xPC Target software and xPC controller hardware are discussed for real time applications and testing.
5. Interface between xPC and Cat ECMs is also discussed.
6. Co-simulation of Matlab/Simulink models with Dynamic modeling software packages is discussed.

---

### Registration Information:

**Dates:**

**Location:**

**Cost :** \$1450.00 /person, 10% discount for each additional person from the same company.

**Name:**

**Company:**

**Address:**

**Email:**

**Phone:**

**Fax:**

**Credit Card Type:**

**Credit Card Number:**

**Credit Card Expiration Date:**

Please fill out this form and FAX to (312) 997-3734 or REGISTER online at [www.ServoTechInc.com](http://www.ServoTechInc.com)