

# Building Interactive Applications in MATLAB

## Prerequisites

### *MATLAB Fundamentals*

Day 1 of 1	
<b>Using the App Designer Environment</b>	<p><b>Objective:</b> Use App Designer to create and share an app by laying out components and giving them interactive behavior.</p> <ul style="list-style-type: none"><li>Working in the App Designer interface</li><li>Adding callbacks to components</li><li>Programming callback functionality</li><li>Sharing apps with others</li></ul>
<b>Creating and Updating Plots</b>	<p><b>Objective:</b> Create apps with graphical elements that can be modified by user interaction, as well as apps with continuously adjustable components.</p> <ul style="list-style-type: none"><li>Using plotting functions within apps</li><li>Accessing graphical objects within apps</li><li>Programming components to update the app continuously</li><li>Sharing callbacks between multiple components</li><li>Adding helper and startup functionality</li></ul>
<b>Creating Responsive Components</b>	<p><b>Objective:</b> Create robust and flexible apps with components that adapt appropriately to user actions.</p> <ul style="list-style-type: none"><li>Adding and using local application data</li><li>Working with grouped components</li><li>Modifying component properties</li></ul>
<b>Managing Multiple Windows and Apps</b>	<p><b>Objective:</b> Create apps that use extra dialog windows and helper apps.</p> <ul style="list-style-type: none"><li>Using standard dialog windows</li><li>Catching errors</li><li>Creating helper apps</li><li>Passing application data between apps</li></ul>