

## **Python – Scripting for Map Automation**

### **Goals of the workshop:**

- Review what arcpy.mapping can do and who is the target user
- Provide a quick tour of the API and discuss the key functions and methods for map automation
- Strategies for authoring a map document for use with arcpy.mapping
- Provide a good understanding of the types of applications that can be developed using this new scripting environment

### **Major topics covered:**

- A tour of the arcpy.mapping API
  - Demonstrations
- The Map Document object
  - Running stand-alone scripts verses referencing a map document using the CURRENT keyword
  - Demonstrations
- Working with list functions to get
  - DataFrame objects
  - Layer objects
  - PageLayoutElement objects
  - Demonstrations
- Strategies for authoring map documents to be used with arcpy.mapping
- Printing and exporting
  - PDF document management
  - Compile all components of a map book into a single multi-page PDF document
  - Demonstrations
- Updating data sources
- Different ways that script can be run including ArcGIS Server
- Resources available to get going with arcpy.mapping immediately
- Arcpy.mapping 10.1 Road Ahead