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Subject: Advanced IDL Programming Course

Posted by [Research Systems Inc.](#) on Tue, 22 Jul 1997 07:00:00 GMT

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In response to requests from our local customers, Research Systems is pleased to announce the addition of an Advanced IDL Programming course to the training schedule. The course will be held at Research Systems training facility in Boulder, CO, August 25 - 28 of 1997.

This course concentrates on advanced visualization and programming techniques with an emphasis on the new object graphics in 5.0. Six months of IDL experience or participation in the Foundations for IDL Programming course is recommended to get the most from this course.

### Advanced IDL Programming

#### IDL Object Graphics Workshop

- Using object methods
- Object Inheritance and Encapsulation
- Building an object graphics hierarchy
- View-Model Hierarchy - Container Objects
- Positioning objects in 3D space
- Adding light sources
- Using Color Models
- Rotating objects in 3D space
- and much more

#### GUI Programming Tricks for Direct and Object Graphics

- Using IDL pointers to pass data
- Avoiding memory leaks
- Using IDL Draw Areas for Object Graphics
- Creating manageable interfaces
- Building resizable graphics windows
- Implementing background tasks
- Building bulletin board GUIs

#### Linking IDL with other Software Applications

- Call\_External
- LinkImage
- Callable API

#### Mathematics and Statistics

- Principal Components Analysis
- Cluster Analysis
- Surface Fitting

To register for this workshop or to find out further details please send an e-mail to [training@rsinc.com](mailto:training@rsinc.com) or call 303-786-9900 and ask for training. You may also visit our Web site at <http://www.rsinc.com/> for a more detailed course description of our course offerings and automatic registration.

We look forward to seeing you on August 25th.

Best regards,  
Amanda Malone  
Manager of Professional Services

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