



APHELION TRAINING – 2 DAY COURSE

↙ **Graphical User Interface (56 slides)**

- Menu description
- Toolbar
- Operator Dialog Box
- Info/History window
- Aphelion Objects
- Image Acquisition - Frame Grabber support
- Aphelion projects
- Images
- Image display - Contextual Menu
- Objectset - Aphelion grid
- Chart server
- Macro Editor
- Print Aphelion objects

↙ **Aphelion Documentation (9 slides)**

↙ **Image Processing and Analysis (42 slides)**

- Image Enhancement
- Color Processing
- Segmentation
- Measurements (Global and individual)
- Image types (ROI) Regions of Interest
- Edge Detection
- FFT
- Image Generation

↙ **Image Understanding (65 slides)**

- Image Processing - Image Understanding
- The Intermediate Symbolic Representation
- Filtering of Objects and Classification
- Aphelion Objects (regions, lines, edgels, etc.)
- Objectsets and object operators in Aphelion
- Fuzzy Logic Toolkit

↙ **Aphelion Macro Language (14 slides)**

↙ **Aphelion Programming for Non-Programmers (6 slides)**

↙ **Aphelion Modules (12 slides)**

- VisionTutor
- Recognition Toolkit
- Stage Control
- Frame Grabber Support