

*'Through the use of many sample photographs, screen shots and clearly illustrated examples, Mr. Andrews provides us with the tools to turn our images into exciting and compelling works of art.'*

Mike Leavy, Engineering Manager for Elements products, Adobe Systems, Inc.

# Advanced Photoshop® Elements 6 for Digital Photographers



**Philip Andrews**





# Contents

|              |      |
|--------------|------|
| Foreword     | vi   |
| Introduction | viii |

|                                               |          |
|-----------------------------------------------|----------|
| <b>The Next Level</b>                         | <b>1</b> |
| The comprehensive Photoshop Elements workflow | 4        |
| Elements basics                               | 6        |
| Basic Elements workflow                       | 10       |

|                                                                                    |           |
|------------------------------------------------------------------------------------|-----------|
| <b>Scanner and Camera Techniques</b>                                               | <b>13</b> |
| The basics – resolution                                                            | 14        |
| 2.01 How many pixels do I need?                                                    | 16        |
| The basics – color depth                                                           | 18        |
| 2.02 More colors equal better quality                                              | 20        |
| Digital shooting technique                                                         | 22        |
| 2.03 Exposure compensation                                                         | 24        |
| Frame-by-frame control                                                             | 25        |
| 2.04 Contrast                                                                      | 26        |
| 2.05 Color saturation                                                              | 27        |
| 2.06 Image sharpness                                                               | 28        |
| 2.07 White balance control                                                         | 29        |
| 2.08 Applying fine-tuning automatically                                            | 33        |
| 2.09 Customizing your white balance                                                | 34        |
| 2.10 Shooting Raw for ultimate control                                             | 35        |
| So what is in a Raw file?                                                          | 37        |
| The Raw advantage                                                                  | 39        |
| 2.11 Shooting workflows                                                            | 40        |
| Film and print scanners                                                            | 41        |
| 2.12 Scanning resolution – ‘Know where you are going before you start the journey’ | 42        |
| 2.13 Color depth                                                                   | 43        |
| 2.14 Multi-sample                                                                  | 44        |
| 2.15 Highlight and shadow capture                                                  | 45        |
| 2.16 Color cast correction                                                         | 46        |
| 2.17 Dust and scratches                                                            | 47        |
| 2.18 Noise Reduction technologies                                                  | 48        |
| 2.19 Color regeneration features                                                   | 49        |
| 2.20 Scanning workflow                                                             | 50        |
| Fixing common shooting problems                                                    | 51        |
| Fixing common scanning problems                                                    | 53        |

|                                          |           |
|------------------------------------------|-----------|
| <b>Photo Organization and Management</b> | <b>89</b> |
| 4.01 Add picture details in-camera       | 90        |
| 4.02 Organize photos whilst downloading  | 90        |
| 4.03 Captioning                          | 92        |
| 4.04 Naming and renaming                 | 92        |
| 4.05 Tagging your photos                 | 93        |
| 4.06 Auto Face Tagging                   | 94        |
| 4.07 Albums and how to group photos      | 95        |
| 4.08 Using Smart Albums                  | 96        |
| 4.09 Changing your view                  | 98        |
| 4.10 Locating files                      | 100       |
| 4.11 Creating a backup                   | 103       |
| 4.12 Versioning your edits               | 105       |
| 4.13 Creating Image Stacks               | 107       |

|                                                    |            |
|----------------------------------------------------|------------|
| <b>Pathways to Editing in Elements</b>             | <b>109</b> |
| Auto editing summary                               | 110        |
| Automatic editing                                  | 110        |
| Editing Options:                                   | 110        |
| 5.01 Auto Smart Fix                                | 111        |
| 5.02 Auto Red Eye Fix                              | 111        |
| 5.03 New auto options for version 6                | 111        |
| Automating editing of several pictures at once     | 113        |
| 5.04 Processing multiple files                     | 113        |
| 5.05 Multi-selection editing                       | 114        |
| 5.06 Bulk Red Eye fixing                           | 114        |
| Semi-automatic editing                             | 115        |
| 5.07 Using the Quick Fix Editor                    | 115        |
| Semi-auto editing summary                          | 115        |
| 5.08 Adjust Smart Fix                              | 116        |
| Manual editing                                     | 117        |
| 5.09 The Full Edit workspace                       | 117        |
| Manual editing summary                             | 117        |
| New editing options in Photoshop Elements 6        | 119        |
| 5.10 Guided Edits                                  | 119        |
| Non Destructive editing, the professional's choice | 120        |
| 5.11 Adjustment Layers                             | 121        |
| 5.12 ‘All Layers’ tool options                     | 122        |
| 5.13 Blend Modes                                   | 123        |
| 5.14 Layer Masking                                 | 124        |
| 5.15 Duplicate layers                              | 125        |
| Giving Elements a helping hand                     | 127        |
| 5.16 Borrowing Photoshop features                  | 127        |
| 5.17 Advanced layer masks                          | 129        |

|                                                |     |
|------------------------------------------------|-----|
| Advanced selection techniques                  | 132 |
| 6.01 Adding to and subtracting from selections | 132 |
| 6.02 Using the Selection Brush                 | 132 |
| 6.03 The Quick Selection Tool                  | 134 |
| 6.04 Advanced refining of selection edges      | 135 |
| 6.05 Saving and loading selections             | 137 |
| 6.06 Modifying selections                      | 138 |
| 6.07 Transforming a selection                  | 139 |
| 6.08 Precise control of selection size         | 141 |
| Understanding layers                           | 142 |
| The magic of Frame layers                      | 143 |
| Masking techniques                             | 147 |

## CONTENTS

|                                              |     |
|----------------------------------------------|-----|
| 10.13 Creating artificially increased DOF    | 298 |
| 10.14 Correcting exposure differences        | 299 |
| 10.15 Adjusting for changes in color balance | 300 |
| 10.16 Vertical panoramas                     | 302 |
| 10.17 High-resolution mosaics                | 303 |
| 10.18 Panoramic printing                     | 304 |
| 10.19 Spinning panorama movies               | 306 |
| 10.20 Panorama workflow                      | 310 |

|                                        |            |
|----------------------------------------|------------|
| <b>Appendices</b>                      | <b>387</b> |
| Blend modes                            | 388        |
| Faster Elements at no extra cost       | 390        |
| Plug-ins                               | 392        |
| Jargon buster                          | 394        |
| Keyboard shortcuts                     | 399        |
| Elements/Photoshop feature equivalents | 402        |

|              |            |
|--------------|------------|
| <b>Index</b> | <b>403</b> |
|--------------|------------|

## **Extending Your Web Abilities 311**

|                                                         |     |
|---------------------------------------------------------|-----|
| Building websites – the basics                          | 313 |
| 11.01 Elements' Online Galleries websites               | 315 |
| Creating individual web assets using Photoshop Elements | 318 |
| 11.02 Optimizing photos for the web                     | 319 |
| 11.03 Making seamless backgrounds                       | 321 |
| 11.04 Using background matting                          | 322 |

## **Free Form Photo Collages 323**

|                                                    |     |
|----------------------------------------------------|-----|
| Before you start – edit then layout                | 325 |
| 12.01 Basic steps for layout creation              | 326 |
| 12.02 The new super Project Bin                    | 328 |
| 12.03 Editing existing Photo Collages              | 330 |
| 12.04 Adding, removing and replacing photos        | 332 |
| 12.05 Adding, moving and deleting pages            | 334 |
| 12.06 Using the Content and Effects palettes       | 336 |
| 12.07 Align, arrange and distribute your frames    | 340 |
| 12.08 Printing your Photo Collages and Photo Books | 342 |
| Order a Kodak Photo Book or Kodak Prints           | 343 |

## **Finely Crafted Output 345**

|                                                                              |     |
|------------------------------------------------------------------------------|-----|
| Printing basics                                                              | 346 |
| The inkjet printer                                                           | 348 |
| Laser                                                                        | 350 |
| Dye Sublimation                                                              | 350 |
| Other printing processes                                                     | 351 |
| Image resolution vs printer resolution                                       | 352 |
| 13.01 Basic steps                                                            | 353 |
| 13.02 Creating contact sheets                                                | 356 |
| 13.03 Multiple prints on a page                                              | 357 |
| Ensuring color consistency between devices                                   | 358 |
| 13.04 Setting up a color-managed workflow                                    | 361 |
| 13.05 Calibrating your screen – ColorVision Spyder                           | 366 |
| Getting intimate with your printer                                           | 368 |
| 13.06 Calibrating your printer – resolution, color, tone and sharpness tests | 368 |
| 13.07 Calibrating your printer – ColorVision PrintFIX                        | 372 |
| 13.08 Making great black and white prints                                    | 374 |
| 13.09 What about permanence?                                                 | 377 |
| 13.10 Preparing your images for professional outsourcing                     | 381 |
| 13.11 Shoot small print big                                                  | 383 |
| 13.12 Printing workflow                                                      | 386 |