

# **Enhancement SIG**

**February 5th, 2020**

# What is a Composite Image?

- Image assembled/created from multiple images  
Bracketed images of the same scene
- Discrete image elements e. g., (people, places, things etc.)

# Why Composite an Image?

- Scene dynamic range exceeds sensor sensitivity
- Enable creative expression artistic manipulation, scene enhancement, create a new reality

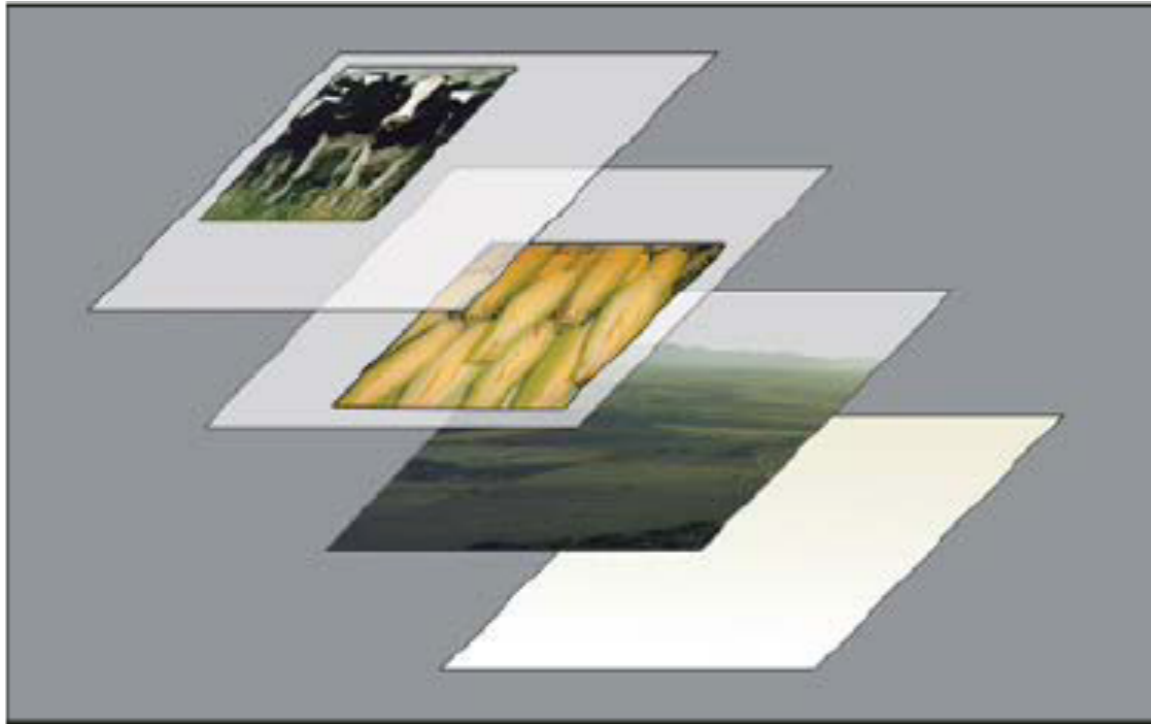
# How is a Composite Image Created?

- Image Processing Software that supports Layers & Masking.
- Need to concurrently handle multiple images in a single workspace... Layers
- Need ability for images to interact with each other... Blending & Masking
  - Transparent interaction
  - Opaque interaction

# Popular software supporting Layers & Masks

- Luminar
- ON1 RAW
- Photoshop Elements
- Photoshop
- Topaz Studio Classic
- Affinity Photo

# What is a Layer in Image Processing Software?



- Layers are like sheets of stacked acetate which can contain an image.
- You can see through transparent areas of a layer to the layers below.
- You move a layer to position the content on the layer, like sliding a sheet of acetate in a stack.
- You can also change the opacity of a layer to make content partially transparent.

# What is a Mask in Image Processing Software?

- Layer masks are a fundamental tool in image manipulations.
- They allow you to selectively modify the opacity (transparency) of the layer they belong to.
- A mask has the ability to *selectively* modify the opacity of different areas across a single layer.
- This modification of a layer's transparency through a mask is non-destructive to the layer itself.
- Essentially a layer mask is a greyscale image where solid black represents complete transparency and white represents the visible elements, shades of grey represent levels of transparency.

# Rocky Mountain School of Photography

Basic Photoshop: Layers

<https://www.youtube.com/watch?v=bz8H3-zEGS0>

Basic Photoshop: Masks

<https://www.youtube.com/watch?v=MeIY10B75fk>



# How do you create a Mask?

- Selection Tools i.e., Magic Wand, Lasso, Quick Selection etc.
- Painting with brush
- Graduated Overlays i.e., Linear, Circular, etc.
- Color Range Selection Panel
  - Gavin Hoey - <https://www.youtube.com/watch?v=l6yKEu25tEU>
- Luminosity Masks
  - Steve Arnold - [https://www.youtube.com/watch?v=j\\_Xm4rZYhqo](https://www.youtube.com/watch?v=j_Xm4rZYhqo)

# How do you create a Mask?

- Luminosity Panels
  - Greg Benz - Lumenzia
    - <https://www.youtube.com/user/gregbenzphoto>
  - Jimmy MacIntyre - RayaPro
    - <https://www.youtube.com/user/TheJimmymac20>
  - Steve Arnold - Luminosity Panel for Photoshop
    - [https://luminositymaskingpanel.com/?utm\\_campaign=Organic&utm\\_source=YouTube&utm\\_content=Panel&utm\\_medium=descriptionlink](https://luminositymaskingpanel.com/?utm_campaign=Organic&utm_source=YouTube&utm_content=Panel&utm_medium=descriptionlink)

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