



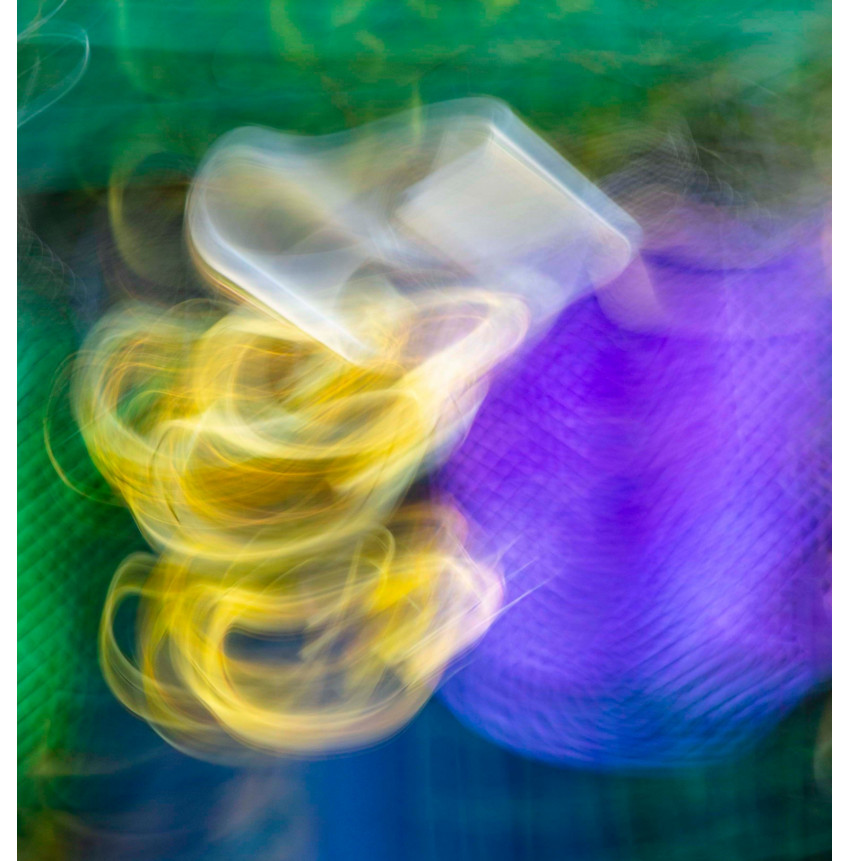
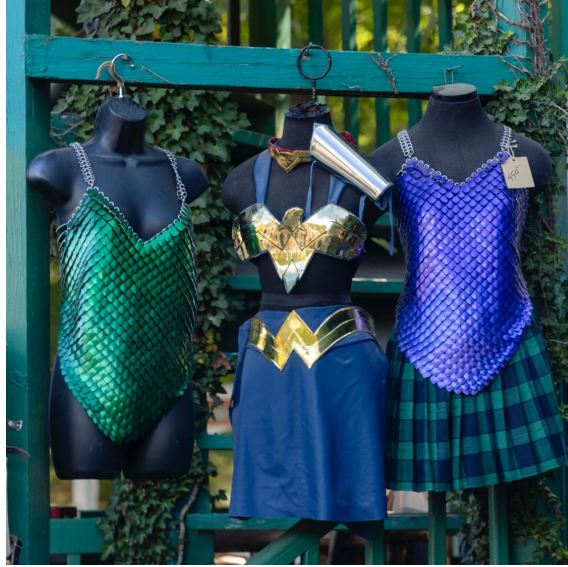
The Basics of Intentional Camera Movement

(ICM)

By Lisa Auerbach and
Wendy Kates

Definition

- ICM photography is adding the illusion of movement to a still image.
- Long exposure is crucial for this technique to achieve motion blur.
- When doing long exposures, the usual goal is to keep the camera still to produce a sharp image.
- ICM uses controlled and deliberate shake or movement using a long shutter speed.

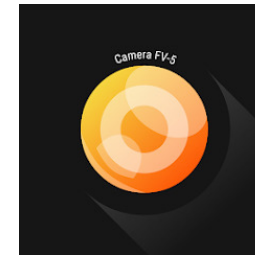


Renaissance Festival

1/15 sec f/3.5

Equipment

- Almost any camera will do.
 - You must be able to control both your shutter speed and aperture independently.
- Phones can use a slow shutter app
- Slow Shutter iPhone
- Camera FV-5 android
- ND filters 3 stop or 6 stop on a sunny day



Camera FV-5

Slow shutter



Shutter Speed

- Manual or Shutter Priority
- Choose your shutter speed, then adjust the Aperture/ISO to make that speed work.
- Shutter speeds tend to last from 1/15 to 2 seconds.



Pagoda Brookside Gardens
1/13 sec f/22

- Slower speeds give detail
while faster speeds yield
more abstract looks
- 1/15 second is a
minimum suggested
speed



Café near Foggy Bottom
¼ sec f/9

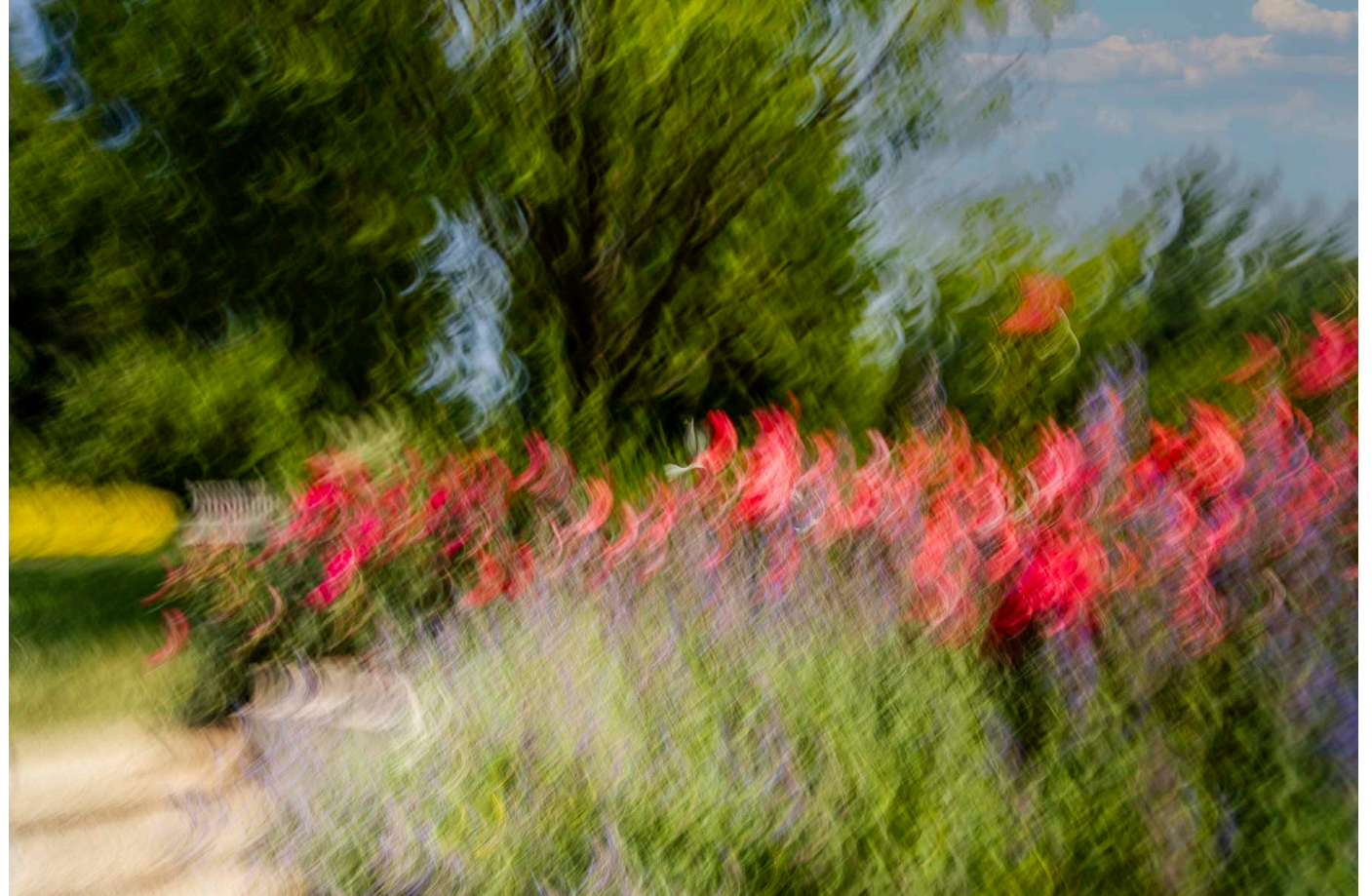
Technical Issues

- Neutral density filters are important if you go out in daylight because your shutter speed will be longer, letting in more light in the image.
- If you don't use an ND, then use a high aperture so your image is not blown out. An ND 6 stop has been most mentioned in my reading.



Mon Ami Gabi
1 sec f/6.3 with ND

- Image Stabilization Off- You want a blur. You do not want a sharp image.
- Faster movements give more blur.
Slower give a smoother blur.
- Look for color, lines, textures, patterns, light, just as you do in still photography.



Brookside Gardens
1/8 sec f/4

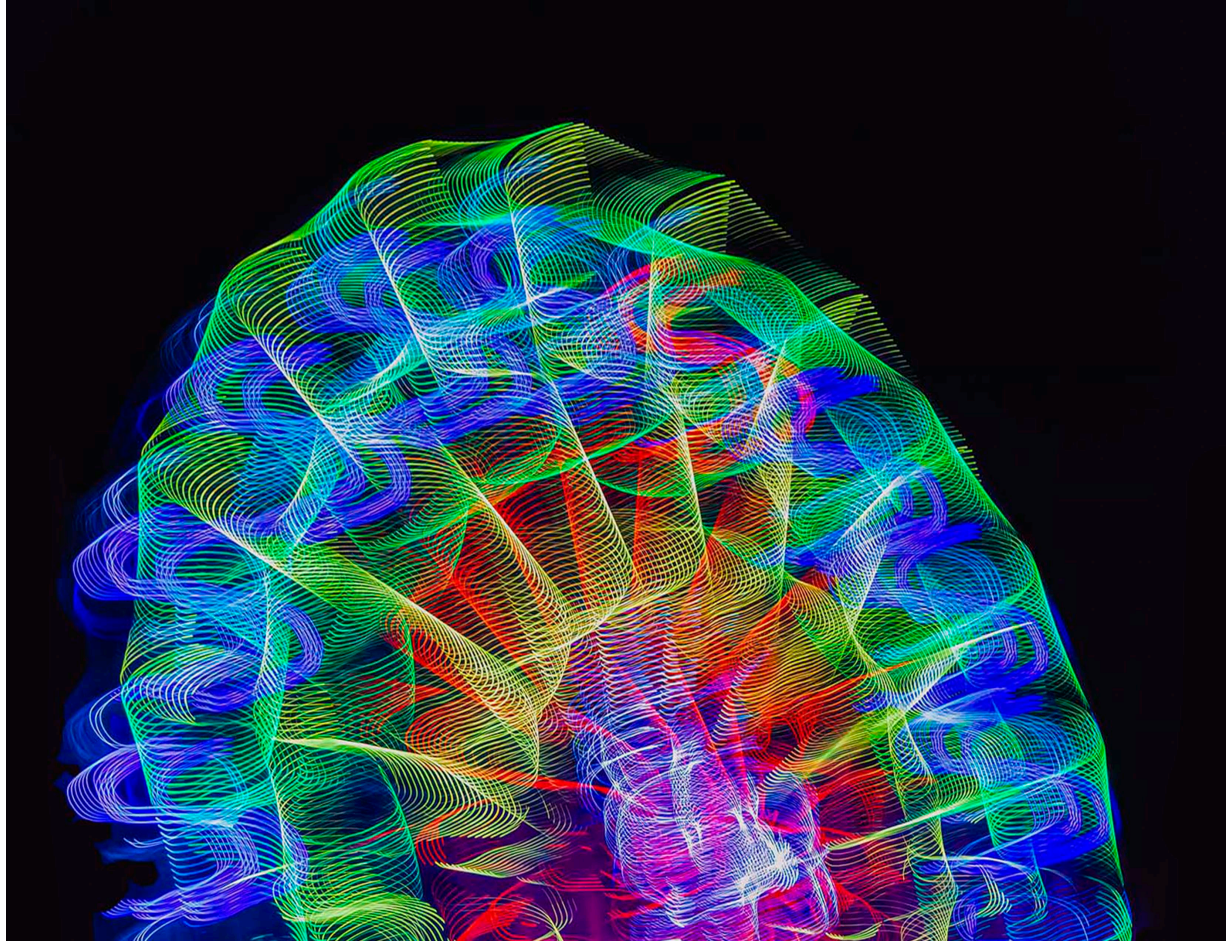
- A tripod is helpful for either a zoom in or out -OR- camera turn in a half circle. If you want a straight up/down or left/right look, then a tripod can help although it is not necessary. For a free flowing movement, don't use a tripod.
- Manual focus lets the camera flow, not lock onto a subject. When zooming, do lock the focus on the center for a clear center and blurred zoom.



Brookside Gardens
1 sec f/18

Shutter Press

- 2 second delay. Press shutter button, count 2 seconds, then begin moving.
- Single shot and begin moving right away.
- Start the sweep, then press the shutter once you get to spot you want to capture.
- Find your own preference.



Montgomery County Fair
1 sec. f/9 ISO 100

Types of Movement

Horizontal -
panning left to
right or right to
left



Bethesda 1sec f/6.3

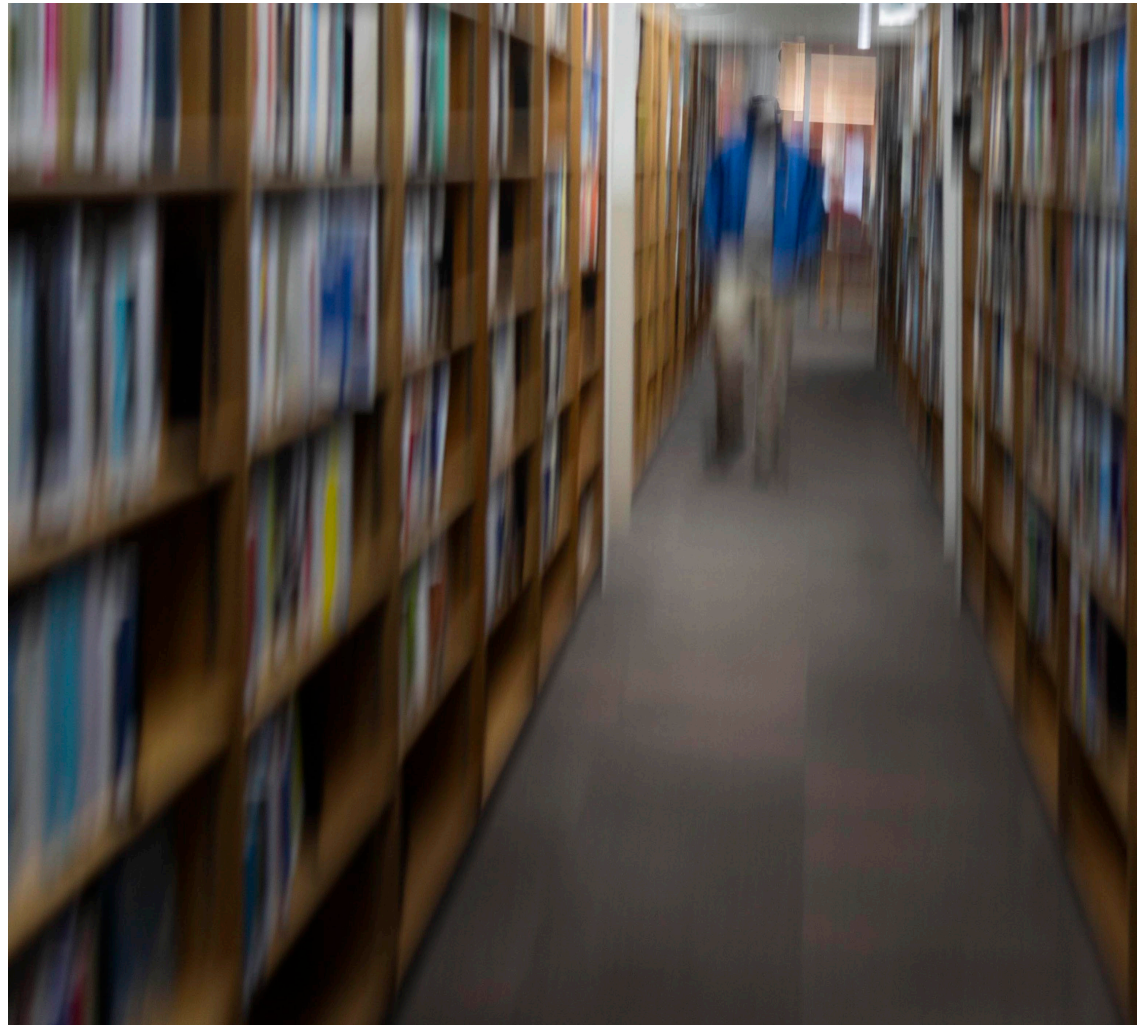
Horizontal



New York Street Crossing

¼ sec f/22

Vertical shot



Davis Library

1/15 f/3.5

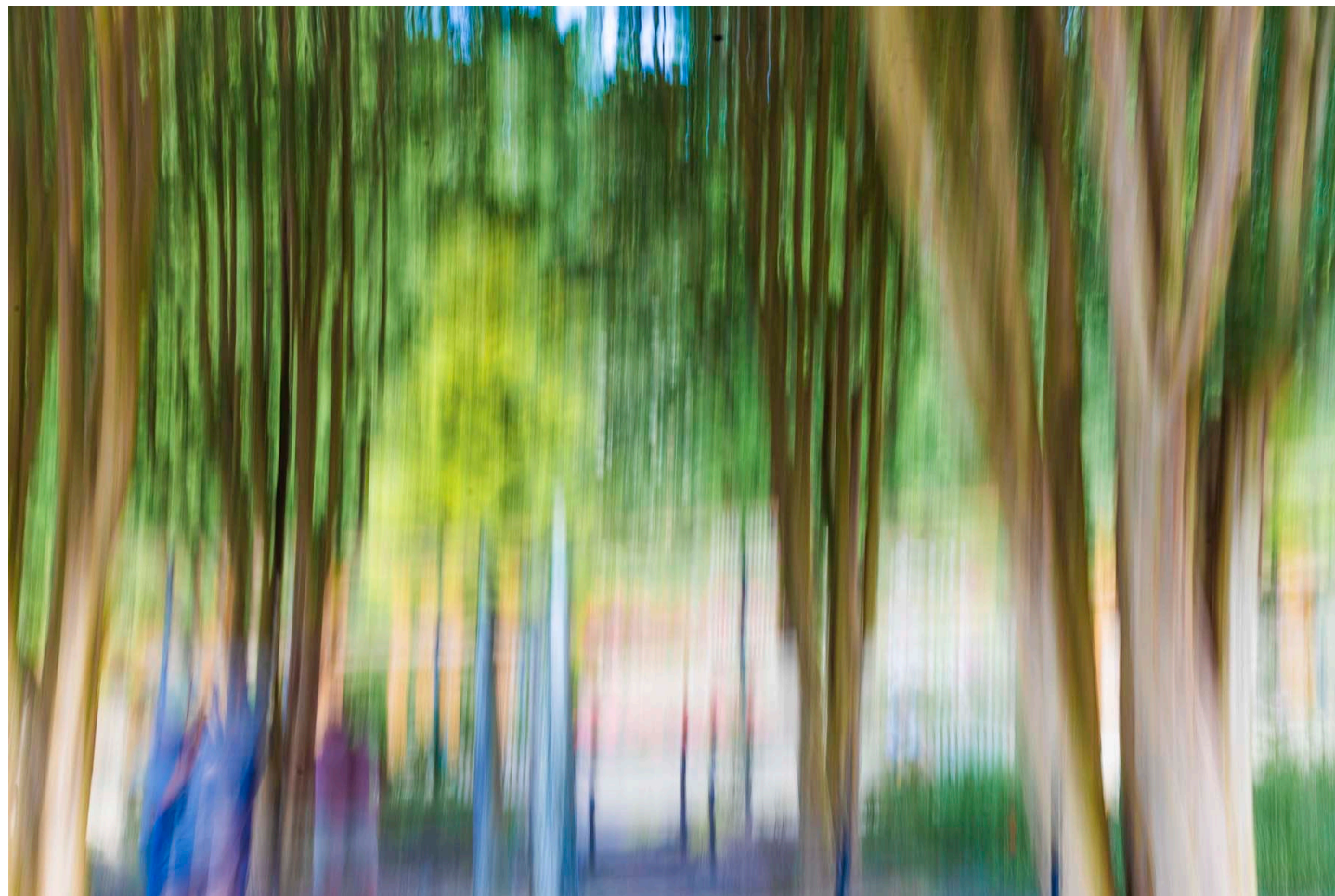
Vertical

- Panning up to down or down to up



Washington Monument looking from the FDR / Tidal Basin
1/15 sec f/3.5

Vertical

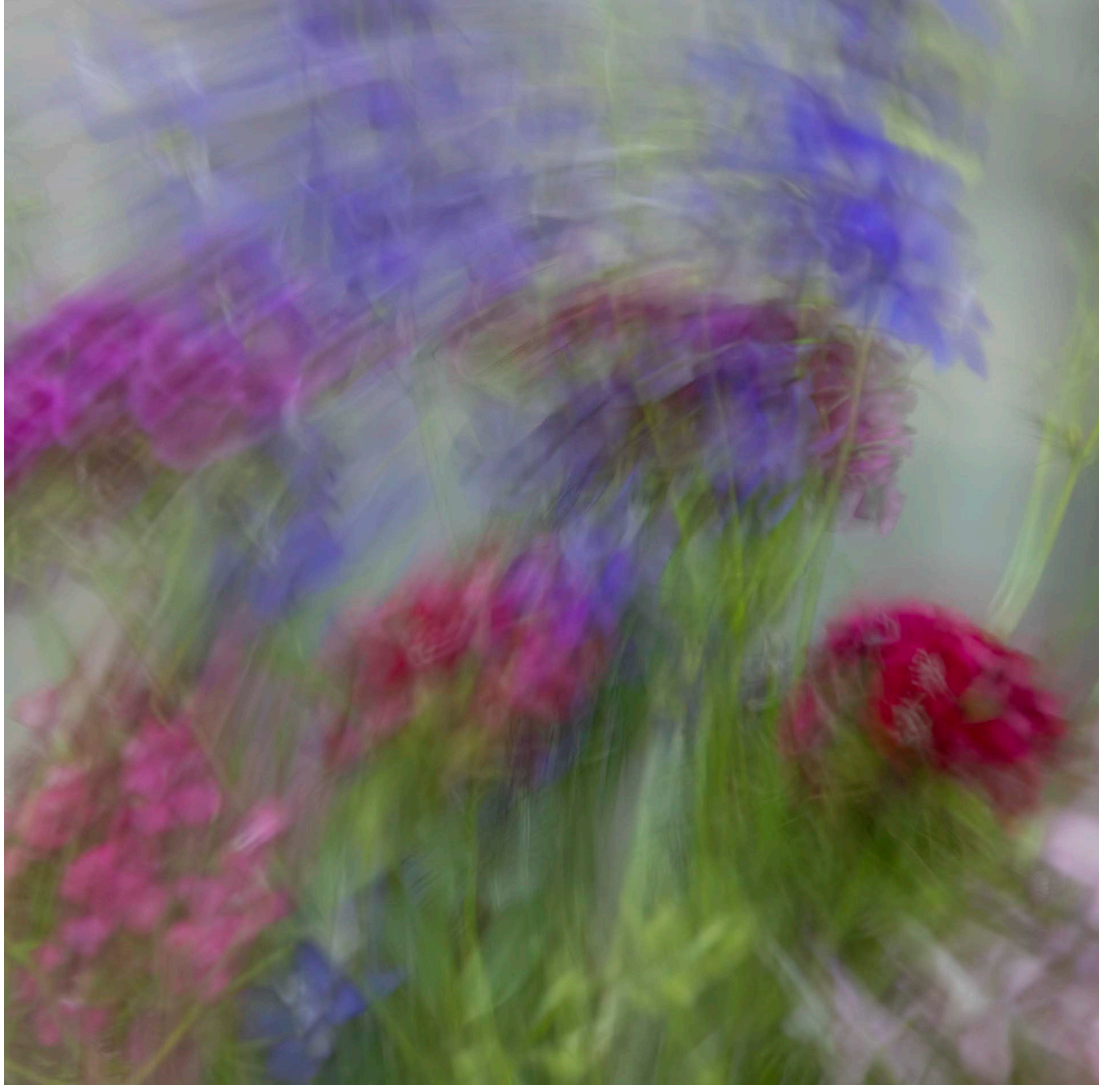


Neighborhood Walk

1.3 sec f/16

Rotation

- Rotate the whole camera a turn in either direction. $\frac{1}{4}$ rotation works. You don't have to have full circle. Not the lens but the whole camera



$\frac{1}{2}$ sec f/10

Zoom Burst

- Zoom in or out on a subject. I find a tripod useful. If you keep your focus point on the center object, it will stay clear.



Foggy Bottom Area
1/5 second f/8

Diagonal

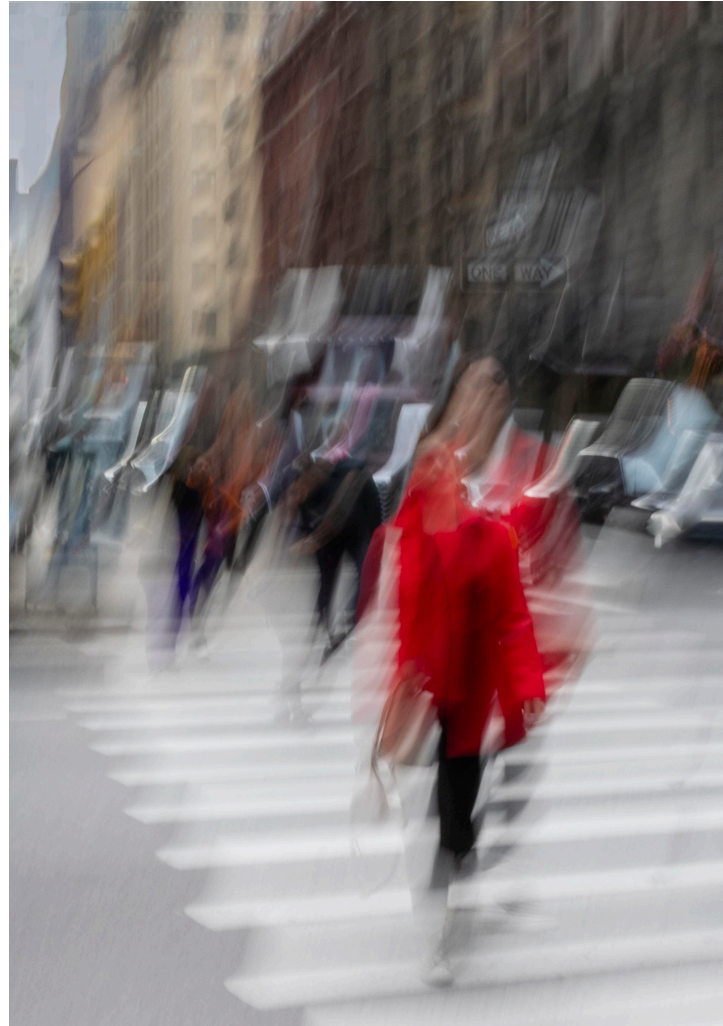
- Corner to opposite corner going diagonally in either directions



Brookside Gardens

1sec f/5.6

Diagonal



New York City
¼ sec f/22

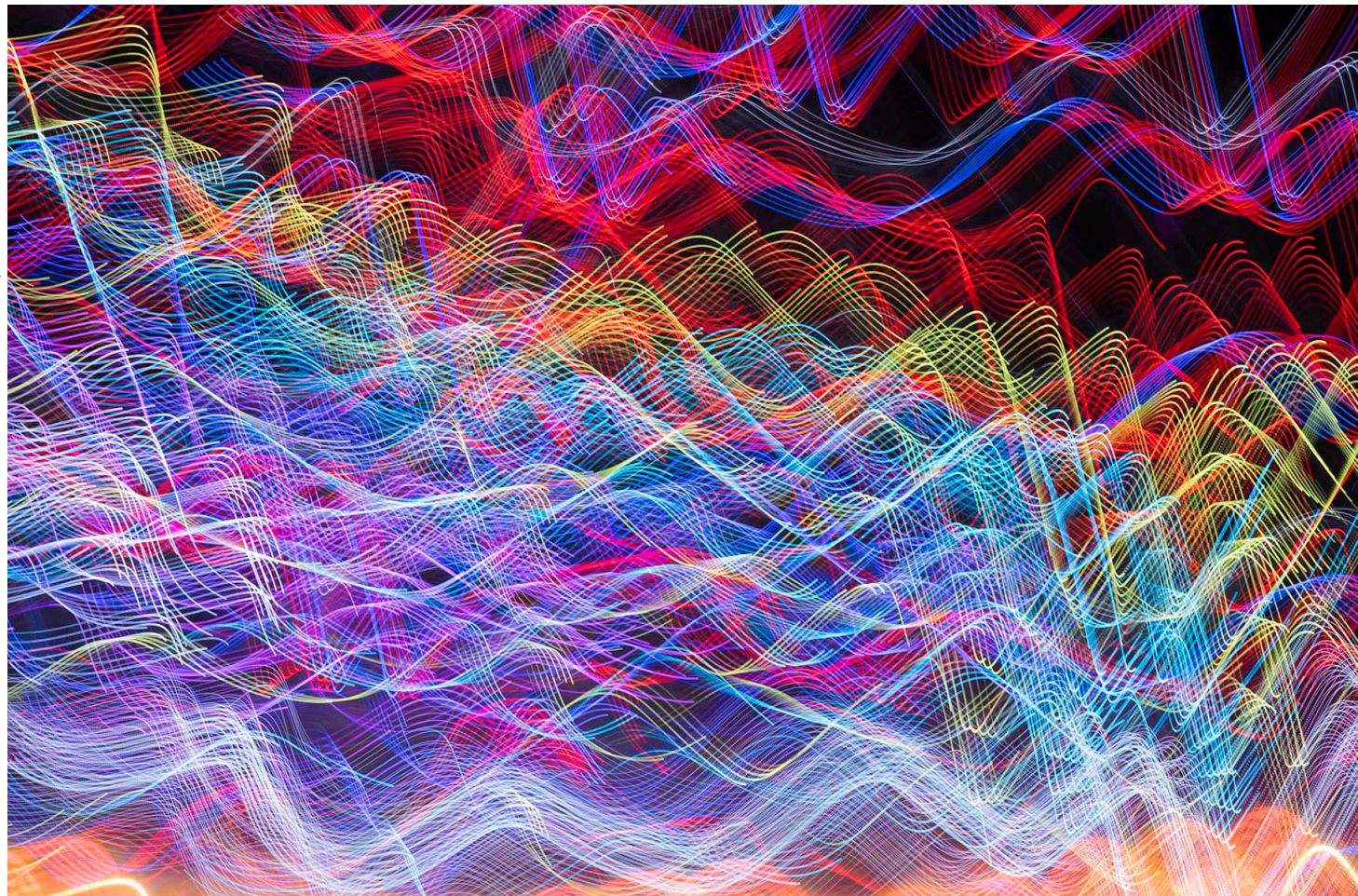
Diagonal



Van Ness Stairway
1/6 sec f/6.3

Wavy

- Strong or smooth wave



Ferris Wheel Montgomery County Fair
1.3 sec f/9

Canoes at Blackhill Park



$\frac{1}{2}$ sec f/32



$\frac{1}{2}$ sec f/29

Shaky

- Loose or Tight
- Hold camera in front and use a shaky movement of your hands,



Montgomery County Fair
1.3 sec f/9

Multiple Exposure ICM

- Combining more than one ICM image can be very effective.
- Many cameras combine the images in-camera.
- But images can also be combined with post-processing software

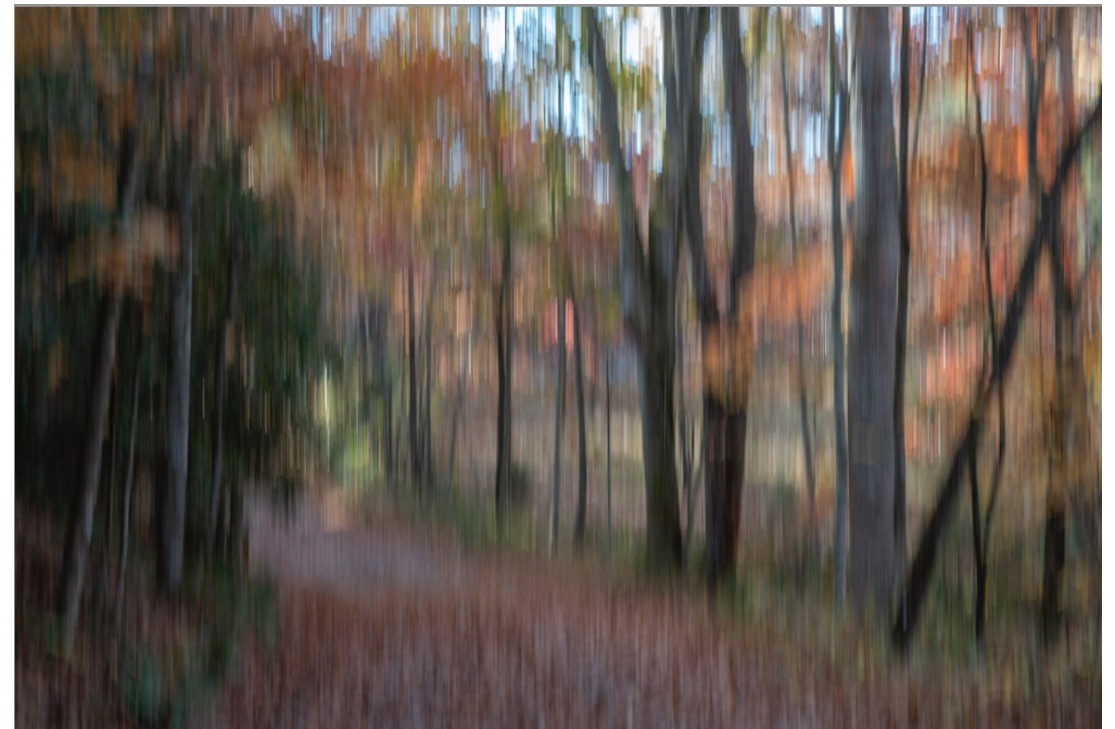


1/15th sec; f/8; ND filter

Combining Multiple ICM Exposures in PS



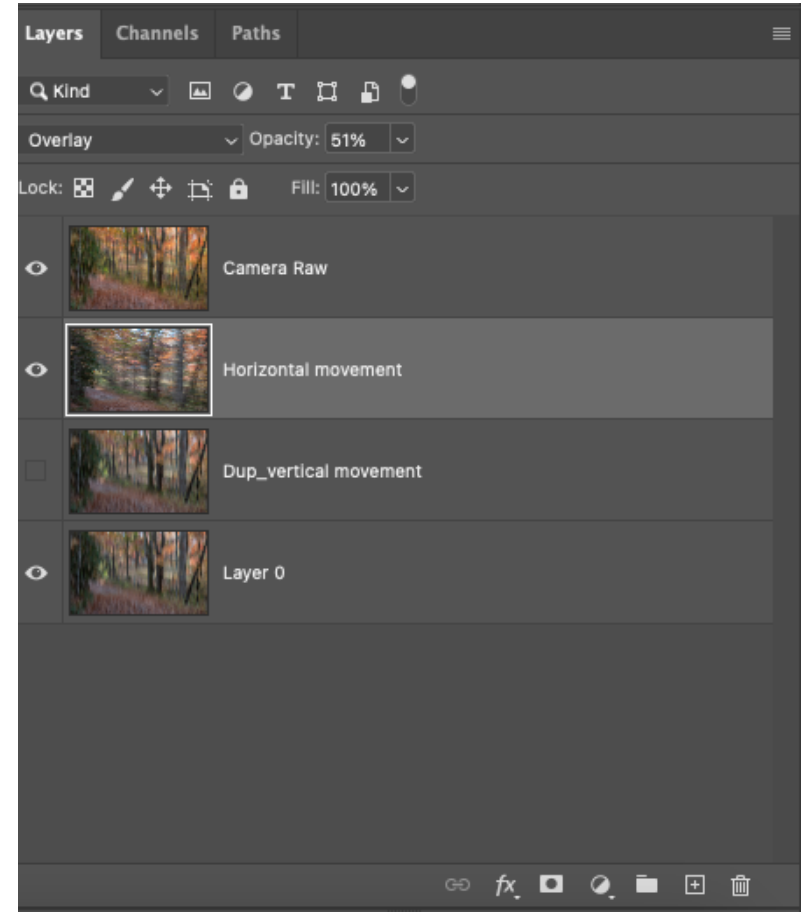
HORIZONTAL MOVEMENT



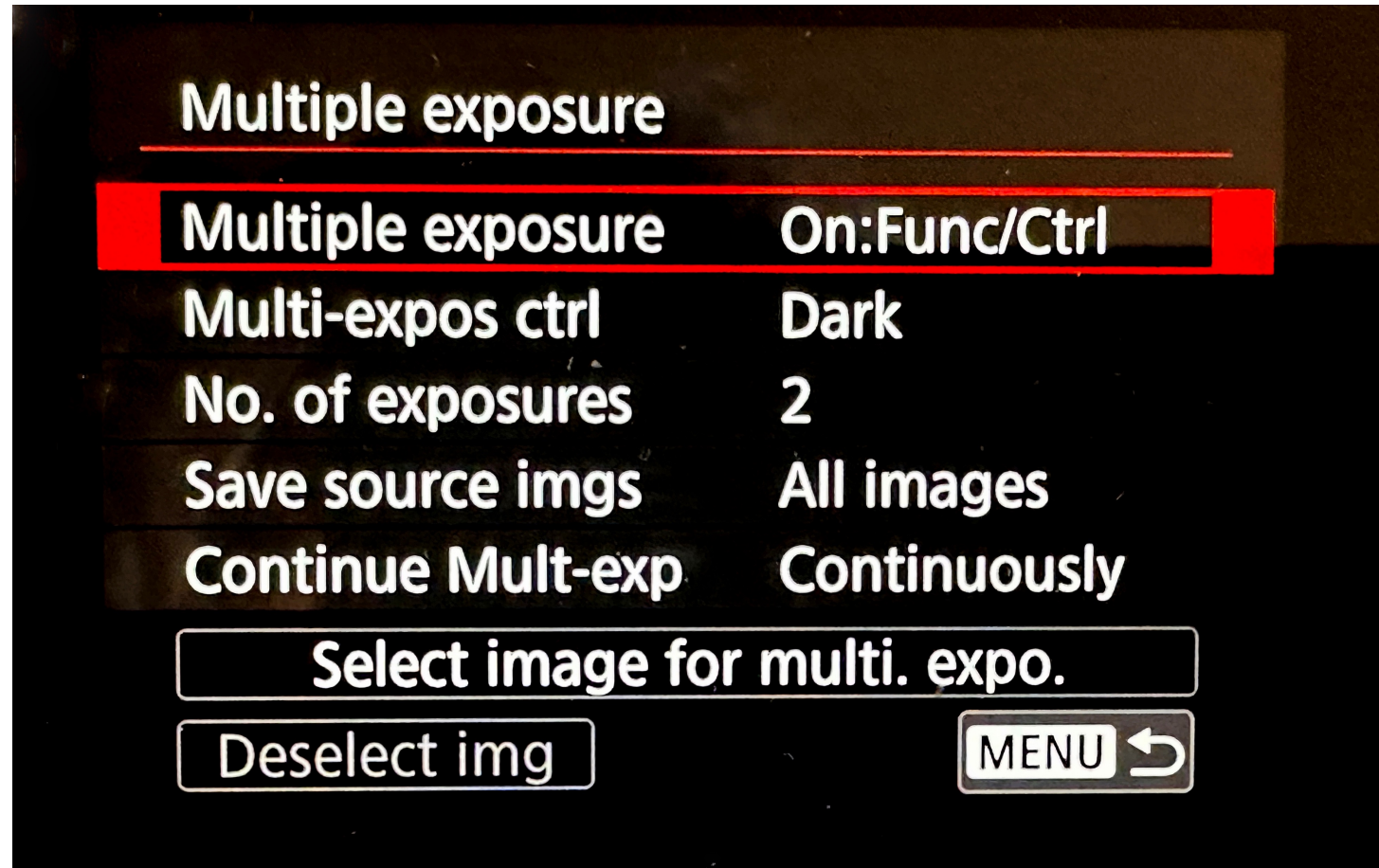
VERTICAL MOVEMENT

1/10TH sec; f / 7.1

Final image / How I combined it in PS



Combining Multiple ICM Exposures in Camera



CANON EOS R: MULTIPLE EXPOSURE MENU



Heading to the UDC Farmers' Market

1/5th sec; f / 7.1; ND filter



Tree Silhouette Franklin, NC

1/13th sec; f / 16

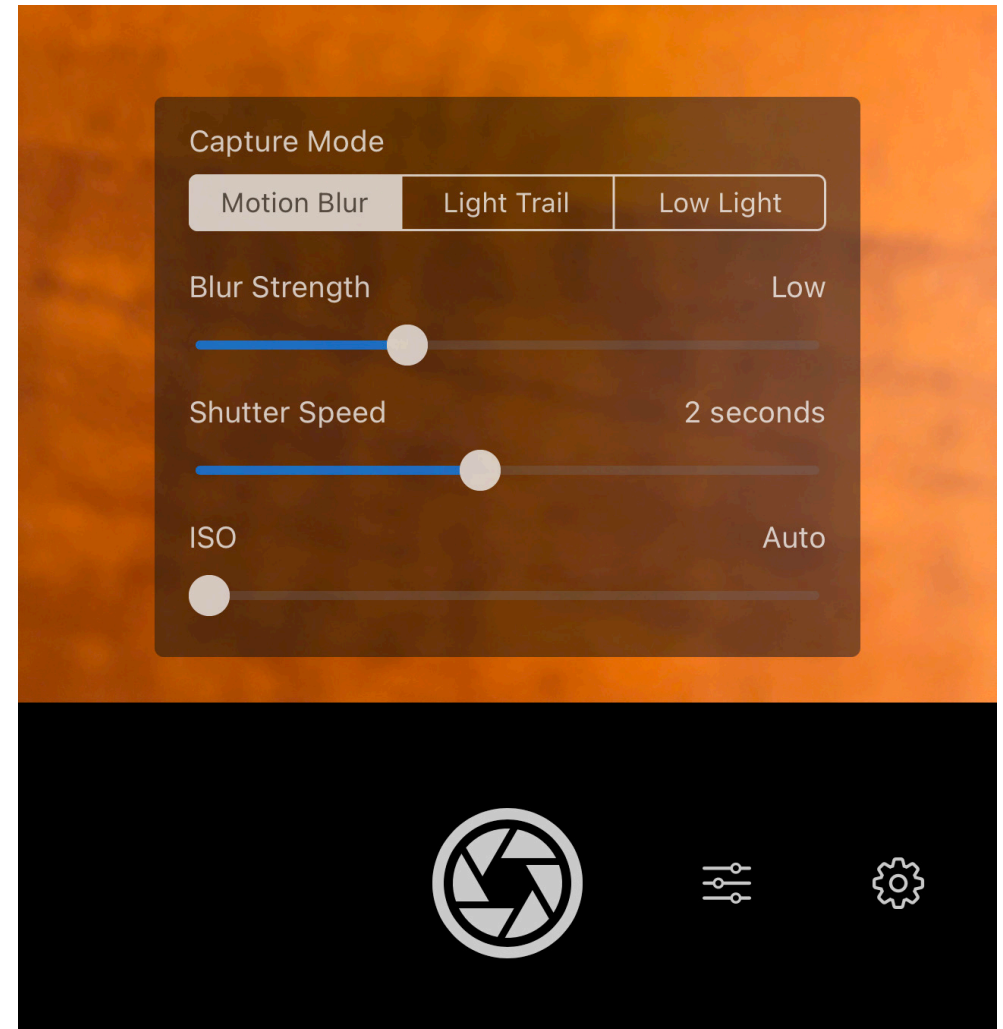


Colorful Storefronts NW DC

1 sec; f / 7.1; ND filter

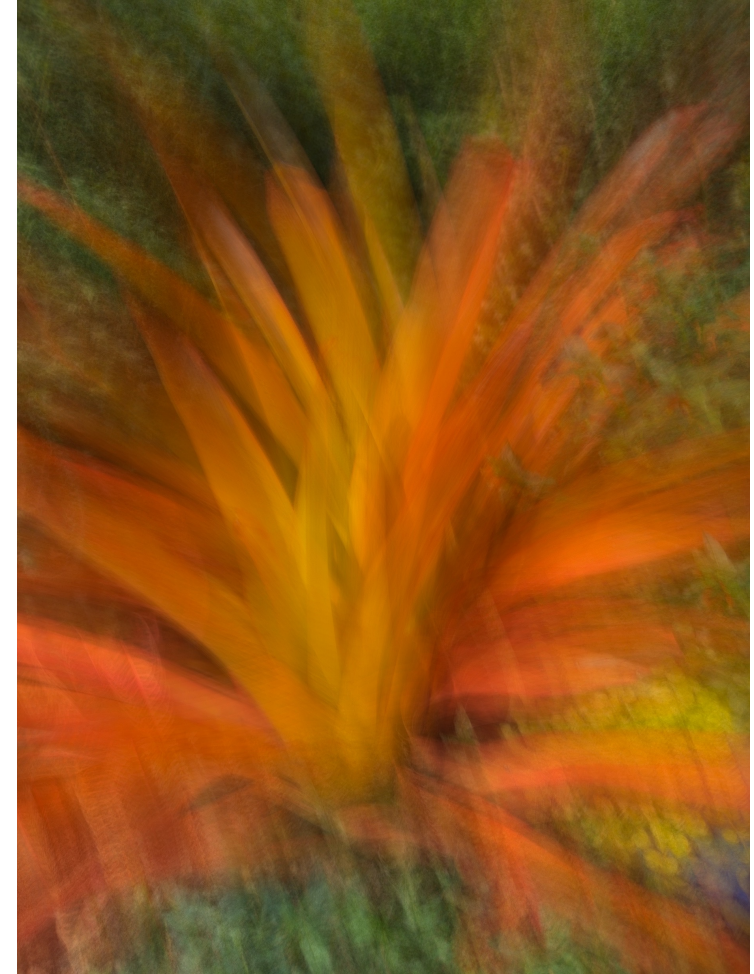
ICM with Phone Cameras

- Apps
 - Slow Shutter Cam for iPhones
 - Camera FV-5 for Androids

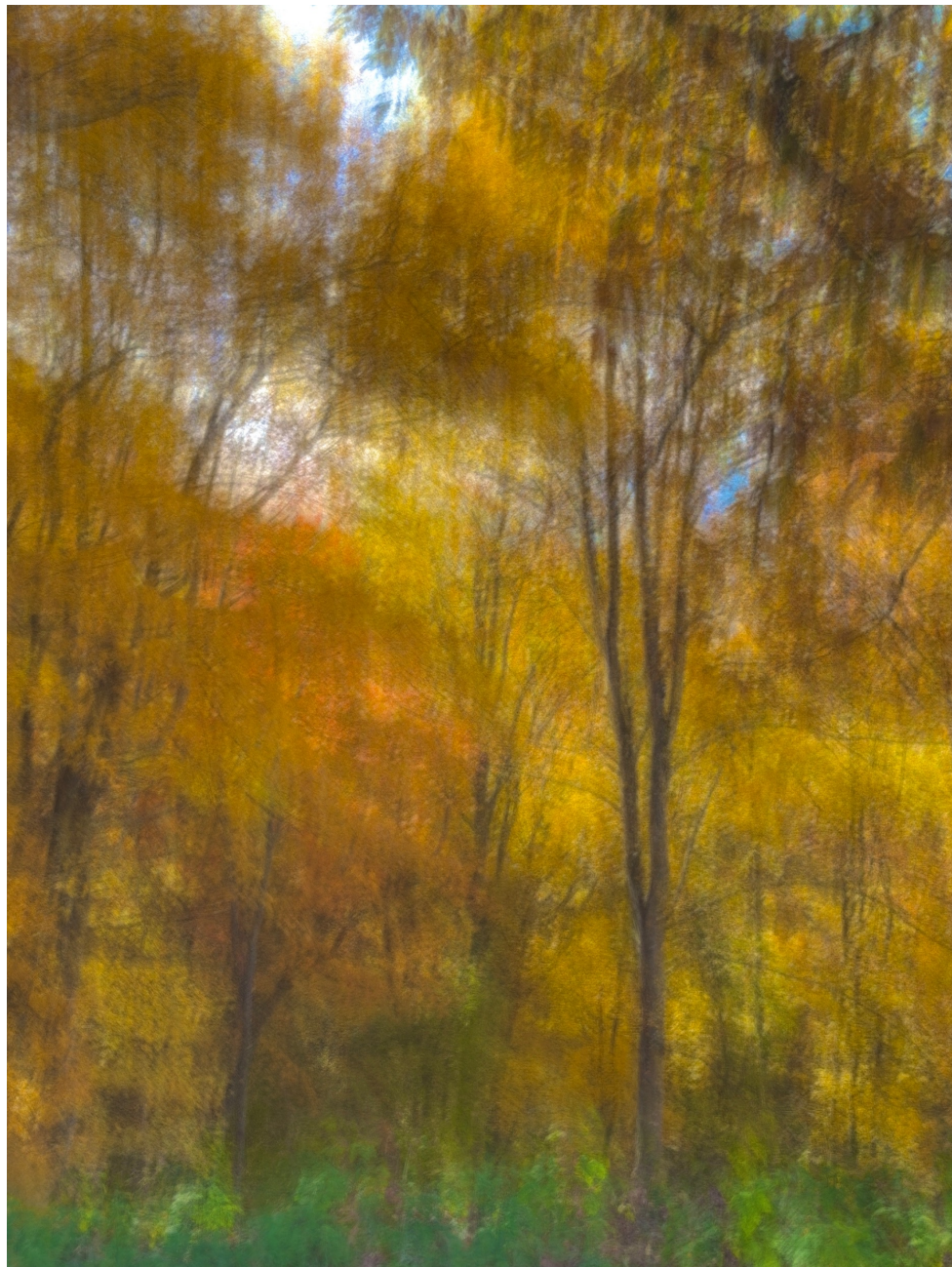


Challenges

- Subject needs a lot of color contrast
- Usually requires post-processing
 - Contrast
 - Texture
 - Vibrance
- Multiple exposure ICM with Slow Shutter Cam: VERY challenging



Hillwood Gardens; 2 sec; F / 1.8; Slow Shutter Cam



Blue Ridge Parkway
Western N.C.
2 sec; F / 1.8
Slow Shutter Cam



Morgan Library
NYC
2 sec; F / 1.78
Slow Shutter Cam

Evaluating Your ICM Images

Is it “just a blurry image”?

Or....

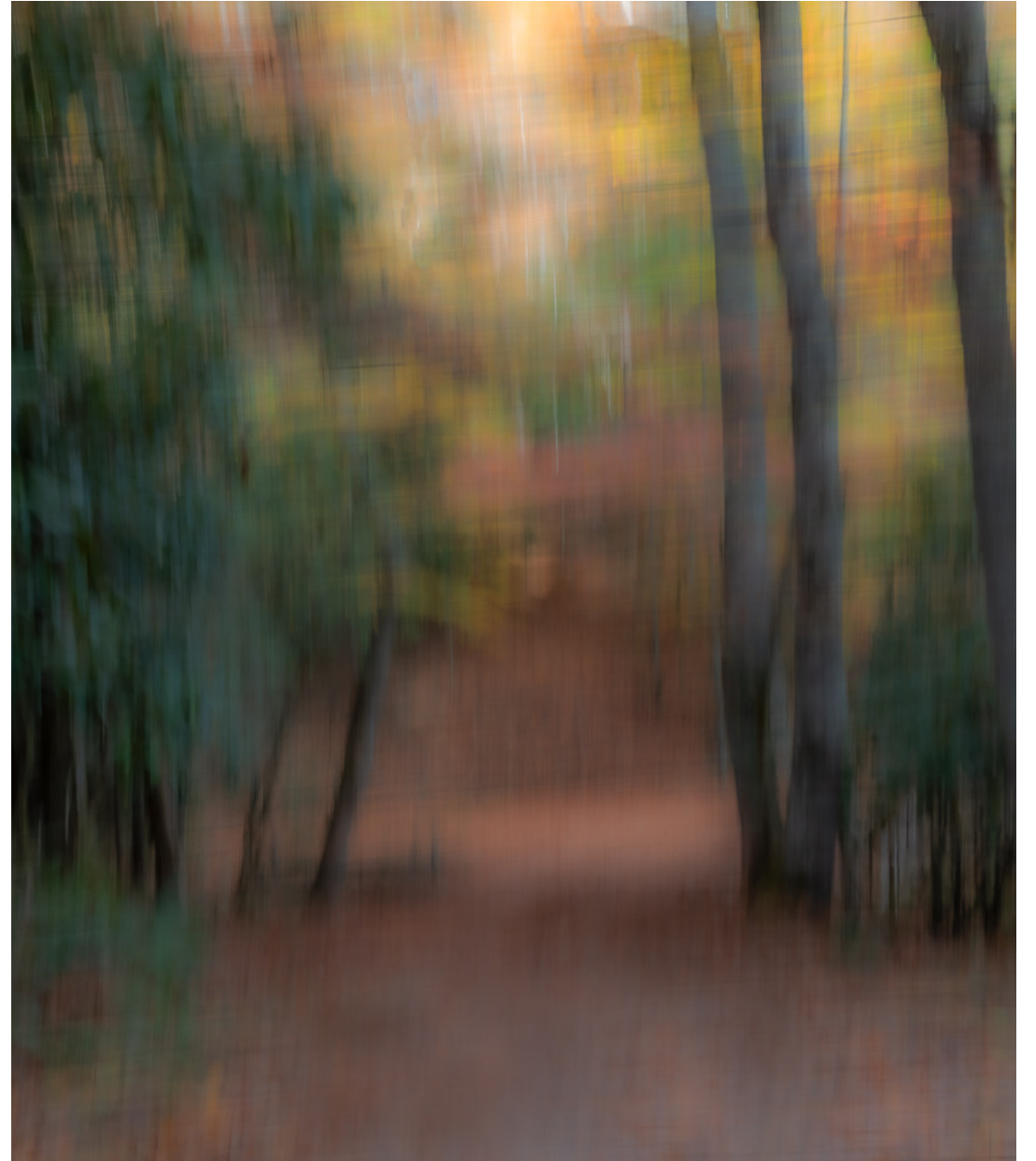
Does the image
suggest motion?

Rock Creek Park
2 sec; F / 2.2
Slow Shutter Cam



Does the image evoke
a mood you are trying
to convey?

Western NC
1/10 sec; F / 6.3



Does ICM enhance the image by making it
appear....

...Impressionistic?

Café in DC
1 sec; F / 7.1



...Abstract?

Coleus plants at
Hillwood Gardens
0.5 sec; F / 9.0



...Or Painterly?

Autumn Colors
Franklin, NC

1/5th sec; F / 9.0



ICM is Everywhere

Even in the Courtroom



Interesting Reading And Links To Artists

Some images in the presentation have been omitted due to specific permissions given to us.

Facebook- ICMPhotoMag - ICM Photography Magazine (Group)

- icmphotomag.com

[Roxanne Bouche Overton](#) - [Fine Art Photographer / Author / Speaker – Roxanne Bouché Overton \(roxanneoverton.com\)](#)

- [Advanced ICM Techniques: Intentional Camera Movement: Overton, Roxanne Bouche': 9798776250941: Amazon.com: Books](#)
- [Facebook](https://www.facebook.com/roxanne.overton.9) – <https://www.facebook.com/roxanne.overton.9>
- [Instagram](#) [@roxanne_overton_photography](#)

ICM Photography Magazine

<https://icmphotomag.org/magazines/>

<https://www.instagram.com/bethbuelowphoto/>

<https://www.instagram.com/penny.polakoff/>

<https://www.instagram.com/ronamesphotography/>



Columbia Heights
.5 sec. f/4