

# **Sun City Summerlin Computer Club Seminar**

## **Digital Art Using Artificial Intelligence**

**Tom Burt  
December 23, 2024**

# Where to Find the Materials

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- **Sun City Summer Computer Club Website:**
  - <https://www.scscclclub/smnr>
- **Direct Hyperlink**
  - <https://www.scscclclub/smnr/DigitalArtUsingAI.pdf>

# Seminar Agenda

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- **Examples of AI-generated Art**
  - [Adobe Firefly Website](#)
- **Review of AI Image Generators & Tools**
- **Project Using Firefly**
  - [Fairy in a Forest Grotto with Mushrooms](#)
- **Project Using Copilot**
  - [Sailboats on the Ocean](#)
- **Review of Classical Image Editors**
- **Project Using Paint.Net and Windows Photos**
  - [Portrait composited against background](#)

# Review of AI Image Generators & Tools

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- **Adobe Firefly**
  - <https://firefly.adobe.com/> <https://firefly.adobe.com/inspire/images> <https://firefly.adobe.com/community>
  - Let's browse their galleries
- **Adobe Express – Free and Paid Subscriptions (uses Firefly)**
  - <https://express.adobe.com>
- **PicsArt (7-day free trial)**
  - <https://picsart.com/ai-art-generator>
- **OpenArt**
  - <https://openart.ai/home>
- **MS CoPilot and Anthropic Claude are “Generative AI” chat-bots that can also generate images.**
  - CoPilot and Claude are web-based, so they work on Windows, MacOS, Linux - any device with a web browser.
  - <https://docs.anthropic.com/en/docs/intro-to-claude>
  - <https://learn.microsoft.com/en-us/copilot/tutorials/learn-microsoft-copilot>

# Project: Fairy in Grotto with Mushrooms

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- **Adobe Express (Uses Firefly) Prompt:**
  - **Grassy grotto in forest with the trunk of a large oak to one side with many portobello mushrooms growing and a female fairy perched on a large mushroom. Light should come from upper left. Show morning dew drops.**



- **Note: Re-entering the same prompt generates NEW images. If you like one, download it.**
- **Let's experiment with some other prompts.**

## Project: Generate a Picture of a Mallard Duck

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- **Firefly prompt: Create a photorealistic image of a mallard duck swimming in a pond surrounded by trees and bullrushes.**



- **Second image is just a crop of the first, done with an image editor.**



# Project: Sailboats on the Ocean

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- **Copilot (Uses Dall-E) Prompt:**
  - 3 single-masted racing sailboats in different colors sailing on the open blue ocean toward the viewer. The background is a hazy clouded light gray-blue sky. The wind is brisk.



- **Copilot doesn't always follow details in prompts**
  - Rightmost image is an oil painting done by my father about 50 years ago.
- **Let's try some other prompts to Copilot.**

# Review of Classical Image Editors

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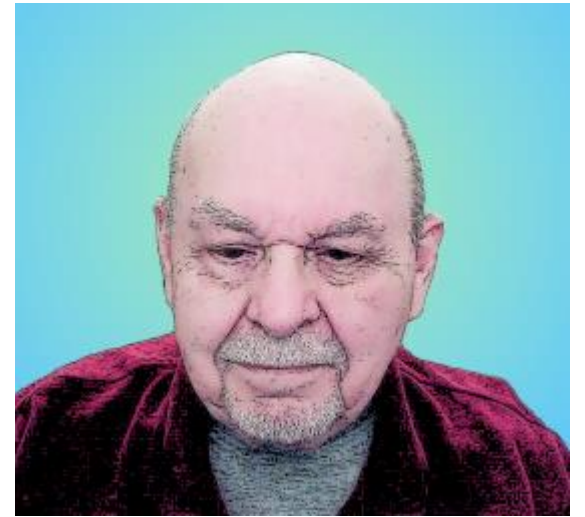
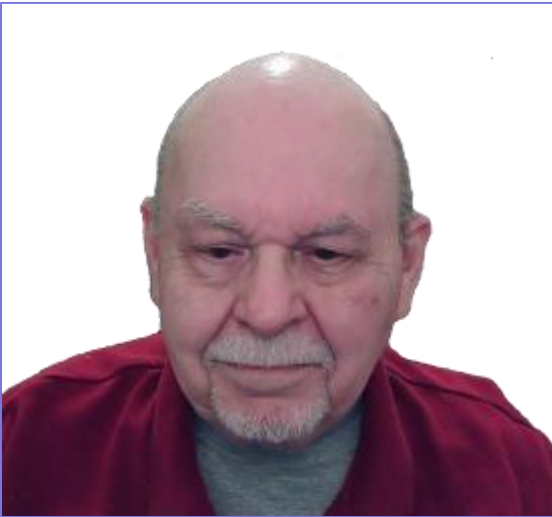
- **GIMP (Gnu Image Manipulation Program) – FREE (donations welcomed)**
  - <https://www.gimp.org/>
  - Adobe Photoshop work-alike; very powerful.
- **Photopea – FREE (with ads)**
  - <https://www.photopea.com/>
  - Adobe Photoshop work-alike; very powerful.
- **Paint.Net – FREE (donations welcomed)**
  - <https://www.getpaint.net/>
  - Very handy, capable image editor. Easier than GIMP, Photopea, Photoshop.
- **Adobe Photoshop Elements 2025 - \$70 for 3-year license**
  - <https://www.adobe.com/products/photoshop-elements.html>
  - Adobe Photoshop Lite
- **Windows Photos (built-in to Windows 10/11) - FREE**



# Project: Composite Portrait

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- We'll use Windows Photos and Paint.Net
  - Using Paint.Net eraser, remove background from a head-shot (could use Adobe Express). Then add a background layer; fill with an interesting background; flatten and Save.
  - Using MS Photos, use smart erase to remove flaws (bright spot, red spot); save again.
  - Return to Paint.Net and apply an effect; I used "Ink Sketch".



# Limitations of AI Image Generators

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- **They're “trained” by scanning billions of images.**
  - Images may not be what you wanted. Keep trying.
  - Generally, can't generate erotica.
  - Generally, can't generate images of public figures.
- **Responses are very sensitive to how questions/prompts are expressed.**
  - The art is in deciding how specific or general to be.
  - Chatbots currently don't know much about people not publicly known.
- **Because generators' images are digested from material they have scanned, the images *may* infringe on copyrighted / patented intellectual property.**
  - Be careful using the output of a generator without verifying whether that material is protected.

# **Final Q and A**

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## **Final Questions and Answers**