import cv2 as cv

import numpy as np

from matplotlib import pyplot as plt

img = cv.imread('hazard10.jpg',0)

edges = cv.Canny(img,100,200)

plt.subplot(121)

plt.imshow(img,'gray')

plt.title('Original image')

plt.xticks([])

plt.yticks([])

plt.subplot(122)

plt.imshow(edges,'gray')

plt.title('Edge image')

plt.xticks([])

plt.yticks([])

plt.show()