

**California State University San Bernardino  
School of Computer Science & Engineering  
Masters Project Presentation**

**Date/Time**

**February 14, 2022 (Monday)/09:30AM**

**Location**

**<https://csusb.zoom.us/j/86295429497>**

**Topic**

**Deep Learning Edge Detection in Image Inpainting**

**Candidate**

**Zheng Zheng**

**Advisor**

**Dr. Haiyan Qiao**

**Committee Members**

**Dr. Yan Zhang**

**Dr. Kerstin Voigt**

**Abstract**

Deep learning is used in a wide variety of applications. In this project, I plan to apply deep learning to edge detection in image inpainting, adapting the input parameters and output results of edge detection to the needs of image inpainting algorithms, with the goal to improve the accuracy and speed of image inpainting algorithm and to enhance the deep learning-based image inpainting algorithm. Through this project, I expect to gain in-depth understanding of deep learning and its applications in image processing and project experience.