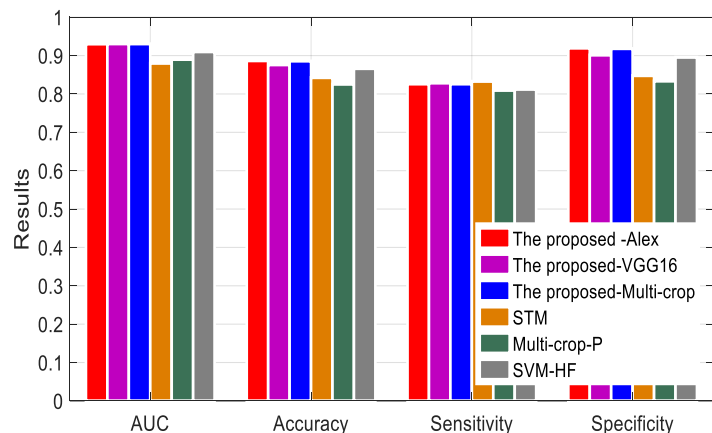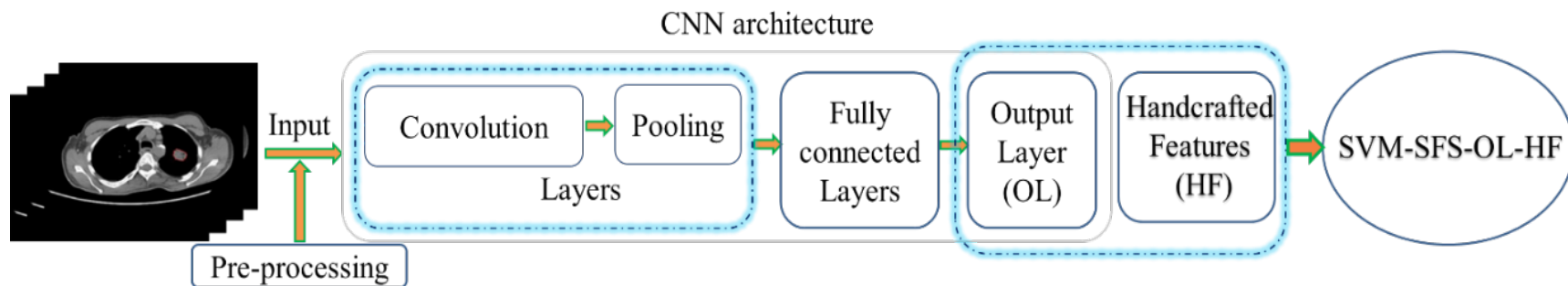# Lung Nodule Malignancy Prediction by Combining Deep Convolutional Neural Network and Handcrafted Features

CNN architecture

Comparative results for different methods.

➤ *Propose a fusion algorithm by incorporating the presentation learned at output layer of 3D CNN into the handcrafted features for lung malignancy prediction.*

➤ *Our proposed strategy achieves better performance than those algorithms using hand-craft features or CNN learned features alone.*

Presenting Author: Shulong Li, Ph.D.

Session: Point/Counterpoint Live Debate: Artificial Intelligence Will Soon Change the Landscape of Medical Physics Research and Practice

Date and Time: 08/02/2018| 7:30AM — 9:30AM