## Tactile Grasp Stability Classification Based on Graph Convolutional Networks

Tingting Mi<sup>1,2</sup>, Dashun Que<sup>1</sup>, Senlin Fang<sup>2</sup>, Zhenning Zhou<sup>2</sup>, Chaoxiang Ye<sup>2</sup>, Chengliang Liu<sup>2</sup>, Zhengkun Yi<sup>2</sup> and Xinyu Wu<sup>2,3</sup>

<sup>1</sup>Wuhan University of Technology

<sup>2</sup>Shenzhen Institutes of Advanced Technology

<sup>3</sup>SIAT Branch, Shenzhen Institute of Artificial Intelligence

and Robotics for Society

- Transform the electrode values of the BioTac sensor into a graph structure
- Complete the convolution operation on the tactile graph
- Present two fusion strategies to integrate the features of multiple sensors

