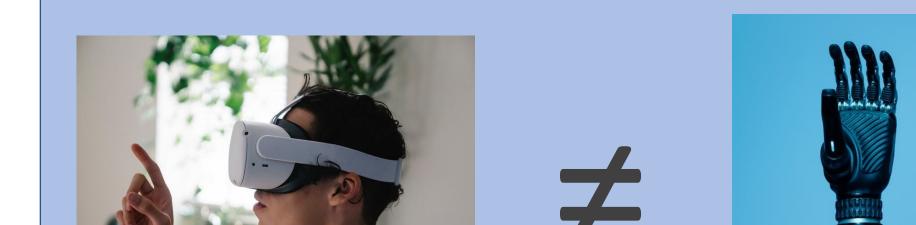
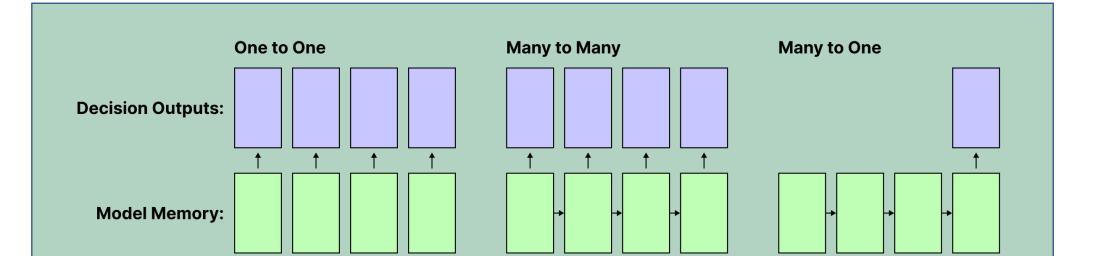
A Framework and Call to Action for the Future Development of EMG-Based Input in HCI

What are the current challenges and limitations hindering the development of EMG-based control systems in HCI?

Challenge 1: Interaction Design

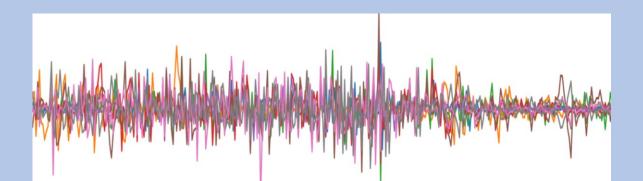
Challenge 2: Model Design



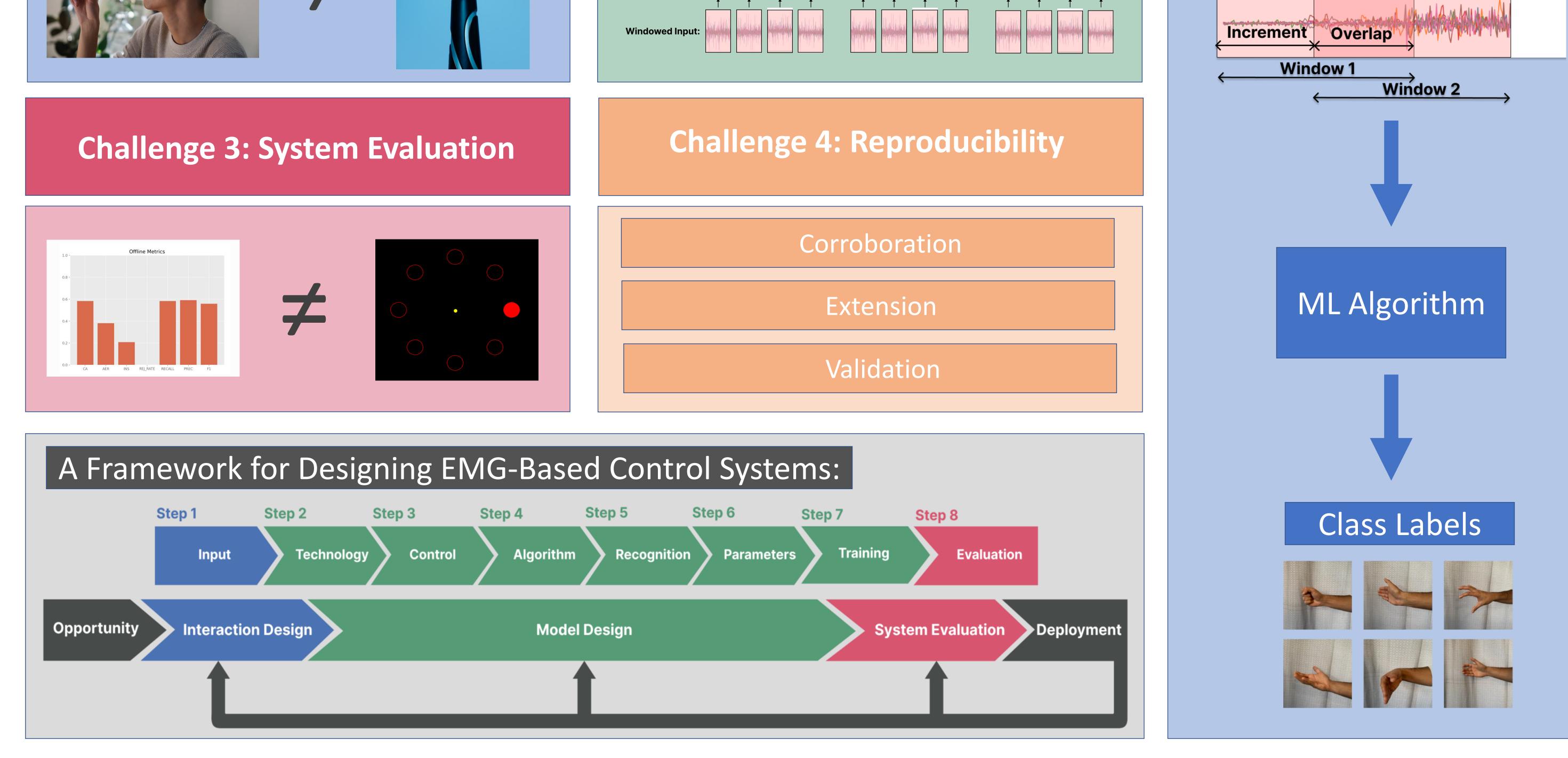


EMG-Based Control





0 ms 100 ms 200 ms 300 ms



Goal: To unlock the true potential of EMG as a robust handsfree input modality for a wide range of interactive systems.

