

# BARRIERS AND SOLUTIONS FOR SMALL AND MEDIUM SIZED MANUFACTURERS' COLLABORATIVE ROBOT ADOPTION



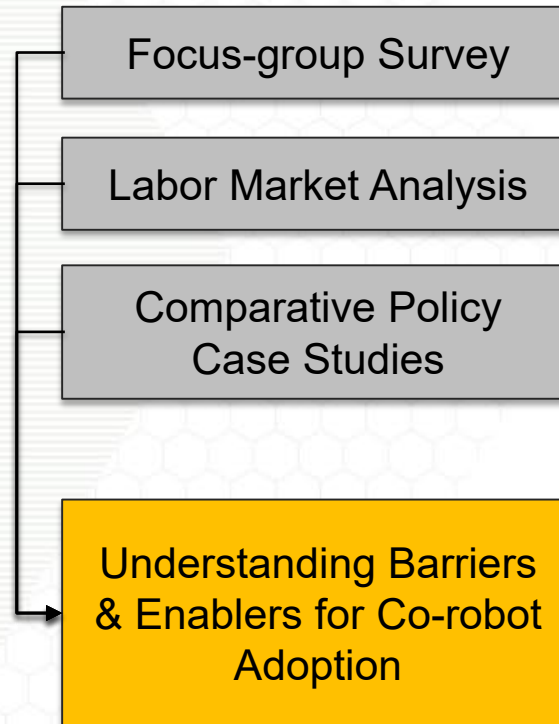
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## Challenge

- Slow diffusion of co-robot technology
- Innovation challenges for small and medium-size manufacturers (SMMs)
- Lacking systematic understanding of barriers to co-robot adoption

## Solution

- Identifying the barrier structure through Delphi survey technique & Interpretive Structural Modeling
- Firm and labor market analysis using real time labor market information
- International case studies to identify enabling environments



## Scientific Impact

- First systematic analysis on barriers to co-robot adoption
- Development of labor market analysis method with novel datasets

## Broader Impact

- Potential solution to problems & support for SMMs → increase productivity & competitiveness, upskill jobs & higher wages, attract workers & counter growing inequality
- Insight for industrial development policy & regional economic development planning.