

## **PERSON FOLLOWING ROBOT: MOTION PLANNING & CONTROL**

## ABSTRACTS

A Person Following Robot or PFR constitutes a range of wheeled mobile robots for assistive and human-robot collaborative applications in hospitals, airports, malls, metro stations, warehouses, and military. This involves realtime path and motion planning with dynamic environment with humans and other robots. Because, these require advanced control, MPC comes to rescue, while ROS is used for commerical programming platform.

### OBJECTIVE

- Safe operation with human factor
- Predict out-of-sight scenarios, and avoid it







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**Technology, Social Impact** 

## **METHOD**

Research Center Name:--Robotics Research Center

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