

# InnoMaker

## Innovative Industrial Solutions Competition Call for Solutions!



### Low Cost and Efficient Indoor Positioning

Join the International Workshop on Wireless Sensing Technologies and Applications 2023 (IWSA 2023) *InnoMaker* competition!

•**Background:** Our company's smart storage system uses some robots to relocate the shelves, but this system often faces the problems of complicated and cost-sensitive robot localization. Because the system's key components are prone to fast and low-cost, wireless positioning and localization indoors. To solve these problems, our company hopes to adopt advanced wireless positioning and sensing solutions, aiming to provide efficient and low-cost robot positioning.

Goal: Propose a solution that demonstrates the design of robot positioning and localization capable of controlling robot movement and trajectory managements in real-time.

**Solution Submission Deadline: November 16, 2023**

**Notification of Acceptance: November 21, 2023**

**Solution Presentation: November 23, 2023**

- **Best Solution Selection:** A panel of experts will evaluate the submitted solutions and award prize money to the best solutions from each company. Participating companies will be invited to an awards ceremony where the winning solutions will be announced and awarded.
- **Solution Details:** The submitted solutions should provide a detailed explanation of the proposed method, containing a minimum of 10 pages of content in PDF and the submission presentation in PPT.
- **Contact Information:** For further details, please contact the *InnoMaker* coordinator at [InnoMaker@apmtt.org](mailto:InnoMaker@apmtt.org).