Humanoid Robotics WG/RG 1st Meeting

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Meeting Agenda

- Introduction
- Overview of Humanoid Robotics
- Challenges and Ethical Considerations
- Real-World Applications
- Q&A Session
- Collaboration Opportunities & Next Steps & Networking & Resources

Introduction

- Name
- Background
- Current Role
- Achievements
- Personal Interests

Overview of Humanoid Robotics

- Definition
- History
- Design and Components
- Applications
- Challenges and Future Directions

Challenges and Ethical Considerations

- Balance and Mobility
- Dexterity and Manipulation
- Human-Robot Interaction
- Job Displacement
- Robot Rights and Responsibilities

Real-World Applications

- Healthcare
- Education
- Manufacturing
- Entertainment
- Research and Exploration

Q&A Session

- What specific breakthroughs in algorithm technology or artificial intelligence have significantly propelled humanoid robotics forward?
- How do you anticipate humanoid robotics evolving over the next 5-10 years, and what impact might this trajectory have on industries and society?
- What strategies are being employed to overcome technical challenges in creating more human-like robots, particularly in ensuring safety and reliability in human-robot interactions, leveraging advancements in algorithm technology and artificial intelligence?

Collaboration Opportunities & Next Steps & Networking & Resources

- GitHub Working Group Repository Information: https://github.com/Robotics-Sensors/BR-SRI-Humanoid-Robotics-Working-Group
- GitHub Organization: https://github.com/Robotics-Sensors
- Discord Group: https://discord.gg/uETm8hKN2U
- Google Group: https://groups.google.com/g/humanoid-robotics
- Email Group: <u>humanoid-robotics@googlegroups.com</u>
- Github Profile: https://github.com/RonaldsonBellande