

Strategies for Deploying Large Cross-Institutional Robotics Projects

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The presentation describes the strategies successfully deployed by the members of Team NAIST-RITS-Panasonic (Nara Institute of Science and Technology, Ritsumeikan University, Panasonic Corporation) to collaborate on large robotics projects in academia and participate in international robotics competitions. In particular, the presentation describes how the Team introduced multiple layers of abstraction between the different components and processes to enable the collaborators to focus on their individual expertise and rely on automated tests and simulations from the system. The ultimate goal is to share our experience in order to help other interdisciplinary teams to efficiently work together on large robotics projects.