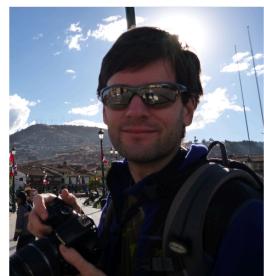


ROSCon 2025 Recap



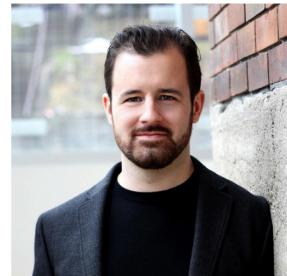
Vanessa
Yamzon Orsi



Geoffrey Biggs



Brian Gerkey



Ryan Gariepy



Tully Foote



Kat Scott



Yadunund
Vijay



Juan Miguel
Jimeno



Kimberly
McGuire



Alan Sanchez



Matthew
Festo



Tomoya Fujita

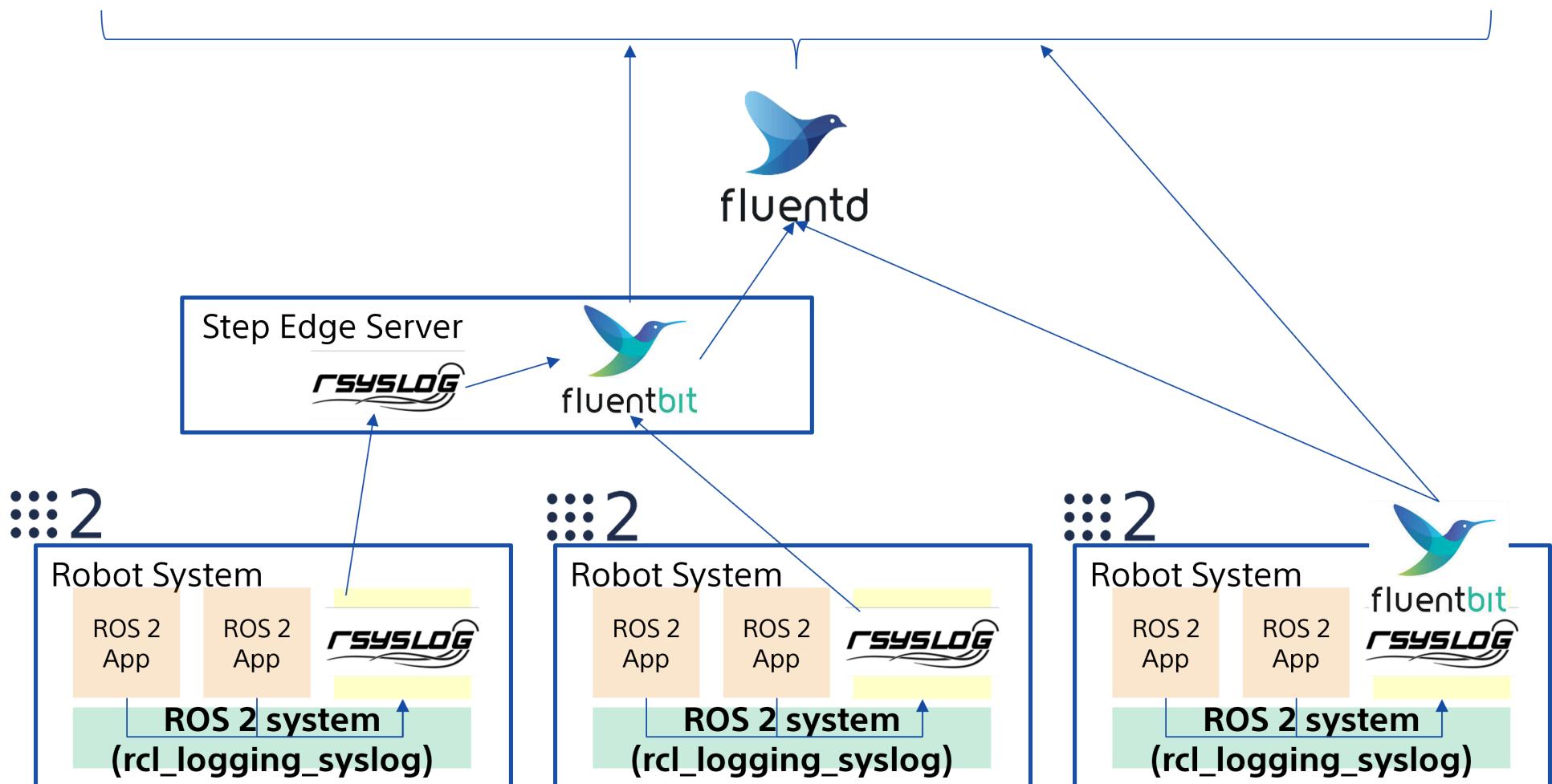
Statistics

- 950+ attendees
- 51+ countries
- 354+ companies
- 66+ universities
- 56 sponsors
- 10 sponsored mini-workshops
- 464 workshop attendees
- 8 birds of a feather sessions



ROS Project in OnePage

- ROS 1 (Noetic) E.O.L
- Kilted Kaiju Release: RMW Zenoh, RCL Python Events Executor, Action Introspection, Pixi on Windows, FastDDS v3
- ROS 2 Vision
 - Embrace Embodied AI
 - Expand Accessibility
 - **Support Production ([rcl_logging_syslog](#))**
- ROS Lyrical Luth
 - May 23, 2026 (World Turtle Day), LTS until May 2031
 - Target Platforms (Tentative), Ubuntu 26.04, RHEL 10, Windows 11



ROS RMWs

RMW What? (Apex.AI)

- How RMW is constructed and designed?
- How we can develop the rmw implementation? e.g) [rmw_email](#)

Zenoh Strikes Back (Intrinsic / Zetta Scale)

- New rmw_zenoh implementation introduction
- Differentiating feature of Zenoh such as down sampling



From DDS to Zenoh (Dexory / Zetta Scale)

- Migration experience from DDS (Cyclonedds) to Zenoh
- DDS is sometimes too much, Zenoh would be the choice

What's new in FastDDS v3 (eProsima)

- New features in FastDDS v3 for Kilted Kaiju
- [ROS 2 Easy Mode](#), XTypes v1.3 for Extensible and Dynamic Topic Types for DDS

Agnocast Zero-Copy IPC (TIER IV)

- Side channel path to achieve zero copy for unbound message types
- Not a rmw implementation, built on top of rclcpp client interface

ROS Simulation

Realistic Terrain Simulation (Intrinsic)

- Space ROS
- ways to create realistic terrain in Gazebo from real world data.

Evaluation of ROS 2 Simulators (Robotnik)

- Gazebo, Webots, CoppeliaSim, Unity3D, Isaac Sim, and O3DE
- Comparison / Pros&Cons



Ray Tracing Everywhere (Intrinsic)

- multi-LiDAR simulation plugin
- Rust implementation of the WebGPU standard

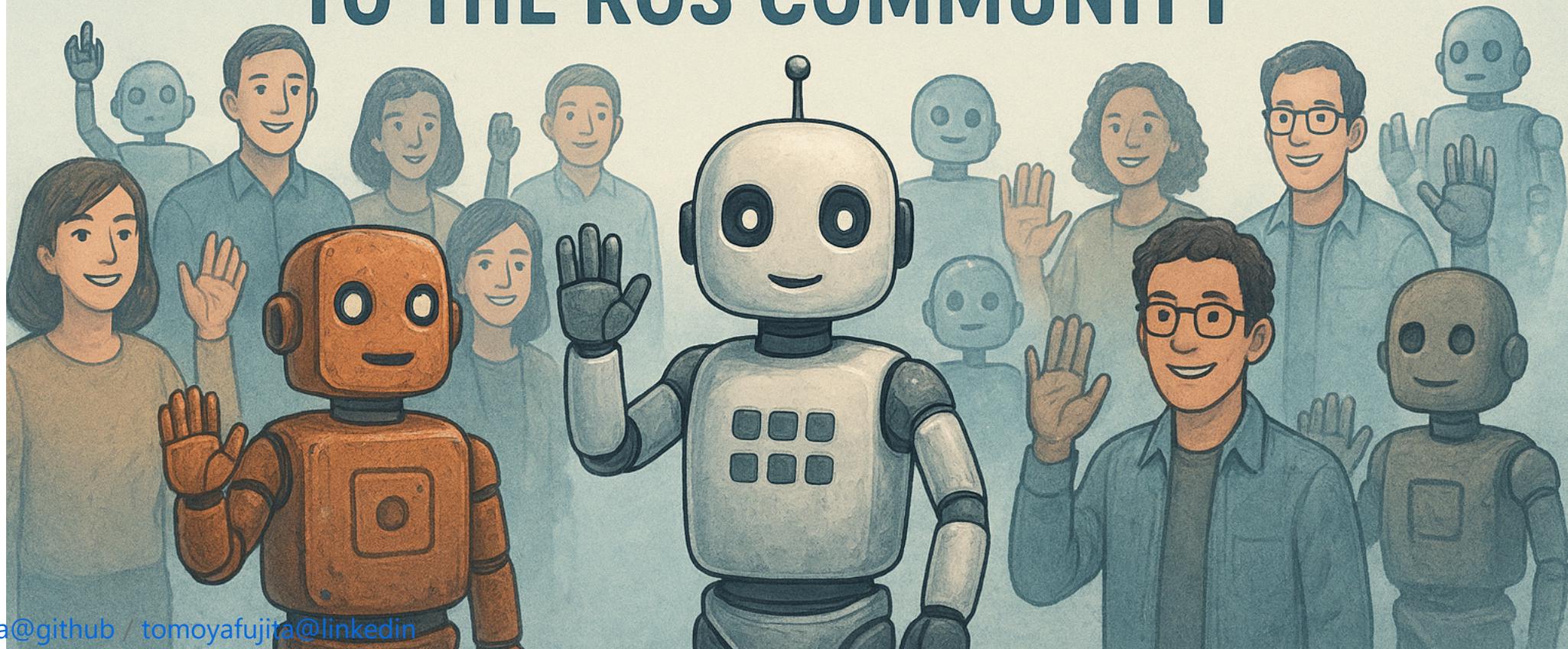
New ROS Simulation Standard (RobotecAI, Nvidia, Intrinsic)

- simulation interfaces package, a new standard for ROS, and its implementation in popular simulators.

Drones to Research

- packages that enable full control of drones
- seamless single- or multi-drone operation

WELCOME CONTRIBUTORS TO THE ROS COMMUNITY



Aliases

- [ROS Project Management Committee](#): Who are behind ROS?
- [Open Robotics Discourse](#): Let's open discussion!
- [Robotics Stack Exchange](#): Any questions welcome!
- [ROS Github](#): Contribution Issues, Reviews and PRs.
- [ROS Asia Pacific Developer Meeting](#)
- [ROS Japan Developer Meeting](#)

ROS Japan Developer Kaigi(会議)

ROS本線を開発しよう 

技術課題をシェアしよう 

目指せ！ROSコミッター＆メンテナー 

Picture & Join Now!

