

00:01:00.753,00:01:03.753

Ramon Roche: <https://discourse.ros.org/t/start-up-meeting-aerial-robotics-wg/30869/2>

00:01:07.669,00:01:10.669

Ramon Roche: <https://discourse.ros.org/t/proposal-for-ros-aerial-robotics-working-group/30867>

00:01:13.316,00:01:16.316

Ramon Roche: <https://github.com/ROS-Aerial/community>

00:02:20.370,00:02:23.370

Théotime Balaguer: nice logo

00:03:13.075,00:03:16.075

Ramon Roche: Thanks Theo!

00:12:27.634,00:12:30.634

Théotime Balaguer: I agree, sticking to the forums is good

00:14:34.986,00:14:37.986

Ganapathy Naayagam: I feel biweekly would be a good pace

00:14:44.806,00:14:47.806

Ramon Roche: 👍 Monthly

👏 Bi-weekly

❤️ Weekly

00:14:46.728,00:14:49.728

Ganapathy Naayagam: Like once every two weeks

00:21:48.264,00:21:51.264

Théotime Balaguer: I guess it depends what is needed from the community ?

00:22:16.178,00:22:19.178

Théotime Balaguer: is it more writing docs, providing answers to Q&A, providing open-source code for flying robotics, etc ?

00:22:21.594,00:22:24.594

Ganapathy Naayagam: Member wise activity would depend on what the roadmap is right?

00:25:23.724,00:25:26.724

Ramon Roche:

https://docs.google.com/presentation/d/1hzQPckNWEZMrWIAjZkSnNolkugWnwRyrChDsbnWaG4k/edit#slide=id.g23a48c6ba23_0_15

00:26:40.811,00:26:43.811

Ramon Roche: <https://discourse.ros.org/t/more-aerial-autonomy-stacks/30992/12>

00:28:46.507,00:28:49.507

Ganapathy Naayagam: Any collection of packages that allow for aerial autonomous missions HITL and SITL with varying hardware resources

00:31:51.885,00:31:54.885

Ganapathy Naayagam: Might probably need to add that the stack is to some extent monolithic and has high interoperability so that it can both be a standalone solution as well as be to some extent plug and play

00:32:01.899,00:32:04.899

Théotime Balaguer: I wonder if there is a distinction to be made between packages useful for all autonomous robots, and packages specific to aerial robotics

00:32:32.398,00:32:35.398

Kimberly McGuire: <https://arxiv.org/pdf/2303.18237.pdf>

00:32:50.194,00:32:53.194

Joe Dinius: Core autonomy is broken out into three separate, distinct concerns: sensing/perception, planning, and action. An aerial autonomy stack is a modular collection of distributed applications for execution of sensing, planning, and control tasks for aerial vehicles.

00:33:40.620,00:33:43.620

Théotime Balaguer: I'm thinking camera based computer vision has to be mentioned but it exists in many places in the ROS community, but stabilisation packages are only useful for UAV robotics, so we may need to have references to other autonomy packages + our "own" aerial robotics packages

00:35:25.915,00:35:28.915

Théotime Balaguer: (I'm sorry my mic won't work, dunno why)

00:41:09.032,00:41:12.032

Kimberly McGuire: <https://imrclab.github.io/workshop-uav-sims-icra2023/>

00:41:46.066,00:41:49.066

Kimberly McGuire: <https://imrclab.github.io/workshop-uav-sims-icra2023/>

00:42:35.818,00:42:38.818

Théotime Balaguer: YES

00:44:53.255,00:44:56.255

Miguel Fernandez: onboard computing limitations?

00:45:07.674,00:45:10.674

Ganapathy Naayagam: Integration with aerospace flight software like cFS (core flight systems) or F-prime

00:46:55.061,00:46:58.061

Jorge Peña Queralta: Is something like this the closest to an "aerial turtlebot"?
<https://holybro.com/collections/multicopter-kit/products/px4-vision-dev-kit-v1-5>

Still doesn't meet the requirements of many people, and some of the autonomy stacks discussed use lidars too. Kim mentioned already while I was writing :)

00:47:26.964,00:47:29.964

Jorge Peña Queralta: There are also more and more companies integrating flight controllers with onboard computers in single systems: <https://www.modalai.com/>, maybe this is something to discuss as well in the group

00:47:38.656,00:47:41.656

Ryan Friedman: Neat!

00:48:54.230,00:48:57.230

Ganapathy Naayagam: Coral accelerator?

00:49:02.974,00:49:05.974

Teleme Thing: Google Coral

00:49:30.639,00:49:33.639

Teleme Thing: Intel Moebeus

00:49:30.725,00:49:33.725

Théotime Balaguer: fixed-wing / multicopter / vtol / balloons, what else ?

00:50:48.060,00:50:51.060

Teleme Thing: Gettin started guides, tutorials

00:53:00.848,00:53:03.848

Ramon Roche: <https://github.com/ROS-Aerial/community/pull/2>

00:53:09.347,00:53:12.347

Ramon Roche:

<https://docs.google.com/presentation/d/1hzQPckNWEZMrWIAjZkSnNolkugWnwRyrChDsbjWaG>

4k/edit#slide=id.p