



# Aerial Robotics Working Group

November 8th 2023  
Scientific/presentation meeting

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# The Agenda

- Announcements
- Presentation by Ramon about Pixhawk
- Topic for next meeting
- Conclusion

# Announcements

- 3D planning is making a headstart! Lot of chatter in #cwg-aerial on discord.
- PX4 summit talks are now online on youtube:  
<https://www.youtube.com/@PX4Autopilot>
- UAV Simulation review paper:
  - 'Survey of Simulators for Aerial Robots' Dimmig et al. (2023)
  - Submitted to RA-L but available already on Arxiv  
<https://arxiv.org/abs/2311.02296>

Presentation by Ramon!

***pixar*** ארנאק®

# Topics next meeting

- *Autonomy stacks for UAVs (Done)*
- Non-Autonomy Packages for UAVs -> renamed to aerial suite
- *Aerial robotics simulation (Done)*
- *Message standards for UAV (Done)*
- *Communication for swarms of UAVs (done)*
- Safety and management systems
- *Tutorials and education (done)*
- Legality and airspace access
- *Hardware, Components, and Dev Kits (done)*
- Aerial Vehicle Types
- **Planning in 3D**
- Any more... ?

# Upcoming meeting in github projects (??)

The screenshot displays the GitHub Meetings interface. At the top, there is a header with a globe icon and the word "Meetings". Below this, there are navigation options: "Calendar" (selected), "Kaban", and "+ New View". A search bar is present with the placeholder text "Filter by keyword or by field".

The main area is a calendar grid. The columns represent months from May 2023 to January 2024. The rows represent days of the month. Meetings are listed as numbered items with circular icons (green for discussion, purple for developer/presentation) and titles. A red vertical line is positioned on the 13th of November 2023.

Month	Day	Meeting Title	Icon
May 2023	29	1 Discussion: Status so far #21	Green
May 2023	12	2 Presentation: Ardupilot and ROS #20	Green
May 2023	26	3 Discussion: 3D planning #19	Green
May 2023	10	4 Presentation: Pixhawk #18	Green
May 2023	24	5 Developer: Simulation #22	Purple
May 2023	7	6 Presentation: Duckiedrone #23	Purple
May 2023	21	7 Developer: Hardware, components and Devkits #24	Purple
May 2023	4	8 Presentation: Tutorial and education #25	Purple
May 2023	18	9 Developer: Message standards #26	Purple
Nov 2023	13	1 Discussion: Status so far #21	Green
Nov 2023	30	2 Presentation: Ardupilot and ROS #20	Green
Nov 2023	16	3 Discussion: 3D planning #19	Green
Nov 2023	2	4 Presentation: Pixhawk #18	Green
Nov 2023	16	5 Developer: Simulation #22	Purple
Nov 2023	30	6 Presentation: Duckiedrone #23	Purple
Nov 2023	16	7 Developer: Hardware, components and Devkits #24	Purple
Nov 2023	30	8 Presentation: Tutorial and education #25	Purple
Nov 2023	16	9 Developer: Message standards #26	Purple

At the bottom left, there is a partial view of a text input field with the placeholder text "You can use @ to add an item".

# Next meeting

## Developer/Discussion meeting about **3D planning**

- **Wednesday 22th of November at 3 pm UTC (!!)**
  - Not changed on google calendar yet...
  - Let's not have the time bug bite us again!

Github organization for this working group: <https://github.com/ROS-Aerial>

- Aerial robotics landscape: Add a info page if you like
- Community: Add yourself as member

Wanna do a presentation? Email to [kimberly@bitcraze.io](mailto:kimberly@bitcraze.io) & [rroche@linuxfoundation.com](mailto:rroche@linuxfoundation.com)