

# Colony

|  | 2017-8        |    |    |    | 2017-9 |    |    |    | 2017-10 |    |    |    | 2017-11 |    |    |    | 2017-12 |    |    |    | 2018-1 |   |   |   |
|--|---------------|----|----|----|--------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|--------|---|---|---|
|  | 32            | 33 | 34 | 35 | 36     | 37 | 38 | 39 | 40      | 41 | 42 | 43 | 44      | 45 | 46 | 47 | 48      | 49 | 50 | 51 | 52     | 1 | 2 | 3 |
| <b>Colony</b>                                    | <b>Colony</b> |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Battery Level Indicator                          |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Improve library error codes                      |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Better sanity check for invalid BOM type         |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| XBee/Wireless Initialization                     |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| get all the library inti's and functions (...)   |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Xbee Documentation                               |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| xbee baud rates                                  |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Wireless - core send, ack functions              |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Wireless - xbee.c                                |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| xbee id  |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| investigate new AVR simulator?                   |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Conclusion on filter design                      | Assigned 0%   |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Figure out rangefinders group                    | Assigned 0%   |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Complete SURG form                               | Assigned 0%   |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Check/Order robot battery clips                  | Assigned 50%  |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Line Follower Collimator                         |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Redo robot pants                                 |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Get Colony videos onto VideoTron. Embed in (...) |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Clean up repository branches                     |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Add Line Following to Library                    |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Profile different mapping surfaces               |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Make Hunter-Prey Ref More Verbose                |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Clean up Colony-New and prepare for next (...)   |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Implement Intersection Behavior                  |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| wl_basic_do_default(int *length) doesn't (...)   |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Schedule Fleet Maintenance Day                   |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |
| Discuss and Contact about Extra Colony III (...) |               |    |    |    |        |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |        |   |   |   |

**Colony - Hardware**

**Design Dragonfly Replacement Board**

**Investigate how to use the JTAG ICE**

**Colony - Library**

**Make sure all robots program the correct (...)**

**Colony - Reliability**

**Automatically update robot status page (...)**