









MINIDRONE COMPETITION



June 5-6, 2019

CHALLENGE

University of Naples Federico II Piazzale Tecchio - Naples, Italy

The **MathWorks Minidrone Competition** is a competition aimed at introducing students to Model-Based Design using Simulink. For the participants, the competition is divided into two rounds:

- → Round 1 Simulation Round Teams will work virtually on designing a Minidrone line follower algorithm. Teams will need to use their modeling skills to refine a Simulink Model.
- → Round 2 Simulation and Hardware Deployment Round The teams that qualify from the virtual Round 1 will be invited to the Round 2 live event. Teams will deploy their Simulink model at the live event on the Parrot Mambo Minidrone hardware using the Simulink Support Package for Parrot Minidrones. Organizers will provide Parrot Minidrones and a large arena to flight drones in safety.





Task	Deadline
Competition Launch	05 April
Round 1 Application Closure	05 May
Round 1 Submission	05 May
Round 1 Result Declaration	20 May
Round 2 Live Event	05-06 June























REQUIREMENTS AWARDS

The competition is open to all students (highschool, bachelor, master, Ph.D.) from all-over the world, without any limitation on age or studying field.

The use of MATLAB 2019a is compulsory to use Simulink® Support Package for PARROT® Minidrones.

The following prizes will be awarded for the Round 2 of the competition:

- First Place: 500 \$
- Second Place: 300 \$
 - Third Place: 200\$

CONTACTS

www.metroind40iot.org/minidrone-competition www.metroind40iot.org

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