



Advanced
Grant

Kick-off meeting agenda

General compliant aerial Robotic manipulation system Integrating Fixed and Flapping wings to INcrease range and safety



10 h. “The Griffin ERC Advanced Grant”. Aníbal Ollero (Universidad de Sevilla)

10.15 h. “First ornithopter prototypes”. Pedro Grau, Silvia Carrasco, María del Mar Guzmán y Martín Perez (Universidad de Sevilla)

10.30 h. “Development of Small-Scale Robotic Arms and Legs for Flying Robots”. Alejandro Suárez (Universidad de Sevilla)

10.45 h. “On-board embedded hardware for very light aerial robots with flapping wings”. Antidio Viguria. (FADA-CATEC)

11 h. “Possibilities of 3D printing in GRIFFIN prototype manufacturing”. Antonio Periñán. (FADA-CATEC).

11.15 h. Coffee break and visit to the laboratory.

12.30 h. “Aerodynamic modelling: Transitions fixed wing <----> flapping wings”. Ramón Fernández-Feria and Antonio Martín (Universidad de Málaga)

12.45 h. “Maneuvering control of flapping wing unmanned aerial vehicles”. Francisco Javier Maldonado (Universidad de Sevilla)

13 h. “Control Challenges: modes and guidances”. José Ángel Acosta (Universidad de Sevilla)

13.15 h. “Control techniques for flying and manipulation with aerial robots with flapping wings”. Daniel Feliú. (Universidad de Castilla-La Mancha)

13.30 h. “Learning event-based vision for continuous perception during high-speed flying maneuvers”. Augusto Gómez (Universidad de Sevilla)

13.45 h. “Cognitive perception for perching and manipulation”. Pablo Ramón Soria (Universidad de Sevilla)

14 h. “General discussion and next steps”

14:30 h. Lunch

16 h. End of the meeting.

Venue:

November 16th, 2018. 10 h.

Salón de Grados, Planta 2, Edificio Plaza América
Escuela Técnica Superior de Ingeniería
Camino de los Descubrimientos s/n
Sevilla (Spain)

