

*DREIS, DJI Event on  
DRONES in RESEARCH and ENERGY INDUSTRIAL APPLICATIONS*

Aula Convegni CNR Piazzale Aldo Moro 7, Rome  
April 17th 2018

Drones in Research and energy industrial applications is the first international workshop on the use of these robotic platforms being used in scientific research and advanced technical solutions. Its aim is to bring together industry and scientific community to exchange ideas and solutions on the various hot topics at energy level (windmill industry, powerline inspections, oil and gas, nuclear industry, solar compartment ect).

The workshop day is a mix of industry presentations of DJI drones and their applications, novel payloads introduction and techniques to address complex tasks. There will be three time slots for scientific research presentations both oral and posters and several slots about actual drone techniques and innovation already in the market.

*We encourage the submission of an extended abstract before March 23<sup>rd</sup> of max 2 pages in the following topics (but not limited to):*

- Techniques for object detection, recognition and tracking in powerline industry
- Novel control methods and coordinated control in energy industry (solar, windmill, nuclear, powerlines, oil and gas)
- Novel payloads for energy industry (solar, windmill, nuclear, powerlines, oil and gas)
- Sensors and techniques for energy industry (solar, windmill, nuclear, powerlines, oil and gas)
- Methods and sensors for 3D reconstruction or solar plants and power plants
- Innovative payload in energy industrial application (solar, windmill, nuclear, powerlines, oil and gas)

*The abstract should be sent to [dreis@aerialclick.com](mailto:dreis@aerialclick.com)*

The Workshop is free but subject to registration on [www.dreisrome.com](http://www.dreisrome.com)  
number of admissions is limited

***Steering Committee***

Tianyu Duan, DJI Enterprise  
Gaetano Massari, AerialClick Italy  
Cosimo Distante CNR Italy  
Andrea Cavallaro, Queen Mary Univ. of London UK  
Fabio Del Frate, Tor Vergata Univ., Italy

***Scientific Committee***

Giuseppe Celeste CNR, Italy  
Fabrizio Sarghini, Univ. of Naples Federico II, Italy

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National Research Council of Italy



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Pier Luigi Mazzeo, CNR, Italy  
Paolo Spagnolo, CNR, Italy  
Marco Leo, CNR, Italy  
Giuseppe Notarstefano Univ. of Salento, Italy

***Organizing Committee***

Arturo Argentieri CNR, Italy  
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