

**DIREZIONE CENTRALE PER L'EMERGENZA E  
IL SOCCORSO TECNICO**

**Rome, 29 march 2017  
Istituto Superiore Antincendi**

# **UAV&SAR2017 International Workshop**

**Program**

**Abstracts**

**Speakers Bio**



**UAV&SAR2017 - International Workshop - Rome, 29th March 2017**

**ORAL PRESENTATIONS**

9.00	Opening Remarks by <b>Ing. Giuseppe Romano</b> (CNVVF) and <b>Ing. Carla Cappiello</b> (Ordine Ingegneri di Roma) Chairmen: Dr. Eng. Stefano Marsella (CNVVF) Dr. Eng. Franco Feliziani (CNVVF)		
9.20	<b>Ing. Riccardo Delise</b>	ENAC	Unmanned aircraft systems - Evolution of the regulatory framework*
9.40	<b>Col. Davide Salerno</b>	Aeronautica Militare	Training of RPAS Armed Forces operators*
10.00	<b>Prof. Bruno Franchi</b>	ANSV	RPAS in ANSV safety investigations*
10.20	<b>Dr. Artur Krukowski</b>	Research for Science, Art and Technology (RFSAT) Ltd	The UAV-based 3D photogrammetric modelling and forest sensing integrated into C4I for fire detection and in supporting firefighting, as well as in subsequent damage analysis and recovery
10.40	<b>Mr. David Lane</b>	SAR Academy Office – UK	Best practices in UAV/RPAS Search and Rescue – use in Water and Flood Rescue lifesaving
11.00	<b>Ten. Arnaud Strina</b>	SDIS - France	Situation and overview of the main initiatives in France in the field of UAVs for emergency services*
11.20	<b>break</b>		
12.00	<b>Dott. Filiberto Chiabrando</b>	Politecnico Torino	Multi-temporal analysis on the areas of the earthquake in central Italy - an image based approach in Pescara del Tronto*
12.20	<b>Ing. Emanuele Gissi</b>	CNVVF	The use of UAVs in Amatrice of the European project "TRADR" in support of the survey of the damage for the Special Operations Unit*
12.40	<b>Ing. Andrea Maccapani</b>	Leonardo	Leonardo: From satellites to RPAS for SAR operations*
13.00	<b>break</b>		
14.00	<b>Ing. Gabriella Serafino</b>	Leonardo	The Falco surveillance system*
14.20	<b>Ing. Fabio Volpe Dott. Livio Rossi</b>	e-Geos – SIGEO	The use of drones as downstreaming the operational chain of Copernicus Program*
14.40	<b>Prof. Marco Caresana</b>	Politecnico Milano	Pairing of sensors for the detection of CBRN agents and UAV: tests and assessments of radiological samples through use of drone combined with the detection tools NR*
15.00	<b>Ing. Matteo Sensini</b>	IDS Corporation	Disaster response management: airborne systems for UAS-based impact assessment of scenarios
15.20	<b>Prof. Rossi/ Tanteri/ Salvatici/ Tacconi/ Moretti/ Casagli</b>	Università Firenze - DST	Saturn: an innovative drone developed to improve and facilitate reliefs and monitoring for purposes of civil protection*
16.00	<b>Q&amp;A - Conclusions</b>		

\* presentation and paper in Italian

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### POSTER SESSION



<b>Dr. Gabriella SERAFINO</b>	Leonardo	The AF3 project*
<b>Dr. Luigia NUZZO</b>	IDS Corporation	New technologies for detecting and countering small and low flying RPASs
<b>Dr. Riccardo CAPONI/ Dr. Emanuele ORLANDI</b>	ECA Group Rigel	ECA integrated robotic applications for operations in hostile environments: Firefighting, SAR and CBRN*
<b>Dr. Francesca CECCARONI</b>	Menci Software	Menci sensefly ebee for territorial mapping*
<b>Dr. Eng. Franco FELIZIANI</b>	CNVVF	Integration of RPAS industry in aerial rescue service of Italian Fire Department in national disaster: the Italian Fire Department RPAS team in Cittareale*
<b>Dr. Eng. Tonino GUERRIERI/ Dr. Eng. Stefano MARSELLA</b>	CNVVF	The STORM project and the use of UAVs for emergency operations on cultural heritage buildings*
<b>Dr. Tullio IARIA</b>	Fabbrica Italiana Droni	Experiences in the use of RPAS systems in emergency and new technologies*
<b>Dr. FINICELLI Alessandro</b>	ApolloShield	ApolloShield: How to detect and mitigate unwanted drones in rescue operations
<b>Dr. Eng. LORUSSO Onofrio</b>	CNVVF	2D and 3D models in emergency scenarios: UAVs for planning search and rescue operations and for preliminary assessment of high buildings*
<b>Dr. Eng. Edoardo CAVALIERI D'ORO</b>	CNVVF	Interferential risk profiles generated by drones in the vicinity 'of airport sediments, including prevention and protection from impacts with aircraft*
<b>Dr. Eng. Luca FERRARI</b>	Promente	UAV in support of CBRNE operations*
<b>Dr. Giulia SAMMARTANO</b>	Politecnico di Torino	Metric 3D models from UAVs for emergency: support the preliminary assessments and quantitative of the damage. The case of the earthquake in Central Italy 2016*