VIGILI DEL FUOCO
ISTITUTO SUPERIORE ANTINCENDI

DIPARTIMENTO DEI VIGILI DEL FUOCO DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE

Ordine degli Ingegneri della Provincia di Roma

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 **Ing. Giuseppe Romano** (CNVVF) and **Ing. Carla Cappiello** (Ordine Ingegneri di Roma) Chairmen: Dr. Eng. Stefano Marsella (CNVVF) Dr. Eng. Franco Feliziani (CNVVF)		
9.20	**Ing. Riccardo Delise**	ENAC	Unmanned aircraft systems - Evolution of the regulatory framework*
9.40	**Col. Davide Salerno**	Aeronautica Militare	Training of RPAS Armed Forces operators*
10.00	**Prof. Bruno Franchi**	ANSV	RPAS in ANSV safety investigations*
10.20	**Dr. Artur Krukowski**	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	**Mr. David Lane**	SAR Academy Office – UK	Best practices in UAV/RPAS Search and Rescue – use in Water and Flood Rescue lifesaving
11.00	**Ten. Arnaud Strina**	SDIS - France	Situation and overview of the main initiatives in France in the field of UAVs for emergency services*
11.20	**break**		
12.00	**Dott. Filiberto Chiabrando**	Politecnico Torino	Multi-temporal analysis on the areas of the earthquake in central Italy - an image based approach in Pescara del Tronto*
12.20	**Ing. Emanuele Gissi**	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	**Ing. Andrea Maccapani**	Leonardo	Leonardo: From satellites to RPAS for SAR operations*
13.00	**break**		
14.00	**Ing. Gabriella Serafino**	Leonardo	The Falco surveillance system*
14.20	**Ing. Fabio Volpe** **Dott. Livio Rossi**	e-Geos – SIGEO	The use of drones as downstreaming the operational chain of Copernicus Program*
14.40	**Prof. Marco Caresana**	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	**Ing. Matteo Sensini**	IDS Corporation	Disaster response management: airborne systems for UAS-based impact assessment of scenarios
15.20	**Prof. Rossi/ Tanteri/ Salvatici/ Tacconi/ Moretti/ Casagli**	Università Firenze - DST	Saturn: an innovative drone developed to improve and facilitate reliefs and monitoring for purposes of civil protection*
16.00	**Q&A - Conclusions**		

* presentation and paper in Italian

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POSTER SESSION

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