



Drones Beyond.

Agenda of the event

17th – 18th November 2022, Fiera del Levante, Bari



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Drones Beyond.

Conference Agenda – Day 1

Thursday, November 17th 2022

Session presenter: **Domenico Palmiotti** Journalist, Il Sole 24 Ore

TIME	TOPIC	SPEAKER
09:00 – 09:20	Institutional Greetings	Michele Emiliano President, Apulia Region Antonio Decaro Mayor, City of Bari Marina Lalli Delegated councilor for institutional relations, Nuova Fiera del Levante
09:20 – 09:40	Introduction	Giuseppe Acierno President, DTA Eugenio Di Sciascio Deputy Mayor, City of Bari
09:40 – 09:50	Keynote speech	Paolo Gentiloni European Commissioner for Economy TBC
09:50 – 10:00	The state of the art of the AAM and drone's market at international level	Paola Olivares Director, Advanced Aerial Mobility and Drone Observatory PoliMi
10:00 – 11:20	Panel: State of the art of UAM development in Europe	Moderator: Munish Khurana Senior Manager of ATM/UTM Business Development, EUROCONTROL Panelists: <ul style="list-style-type: none"> • Fernando Argueso Market Downstream & Innovation-Aviation Advisor, EUSPA • Giancarlo Varacalli Head of Telecommunications and Navigation Unit, ASI • Rita Rinaldo Head of Projects & Studies Implementation Division, ESA • Carmela Tripaldi R&D of New Technologies and Aerospace Director, ENAC • Giancarlo Ferrara R&D Work Programme Manager, EUROCONTROL • Ofer Lapid Naama (Urban Aerial Transport) Technology Leader, IIA • Cristiano Baldoni UTM System Engineering, ENAV
11:20 – 11:35	The urban mobility of the future: the European perspective	Dario Nardella President, Eurocities
11:35 – 11:50	The urban mobility of the future: the Italian perspective	Antonio Decaro President, ANCI
11:50 – 12:50	Panel: The future of cities and the new planning and development needs in light of new forms of mobility	Moderator: Michele Giannuzzi Project Manager, DTA Panelists: <ul style="list-style-type: none"> • Bastian Walthier Incubation & Startups, brigkAIR – Ingolstadt • Hans Siljebäck Bid Manager Strategic Projects, IBG – Norrköping • Miguel Angel Ania Technical Advisor Zaragoza City Council – Zaragoza • Adriana Witkowska-Konieczny Chief Specialist in Socio-Economic Development and Cooperation Dept., GZM Metropolis – GZM Metropolis • Sandra Maria Monteiro De Melo Coordinator of Applied Intelligence and Analytics, CEiiA – Porto
12:50 – 13:00	Keynote speech	Franco Ongaro Chief Technology and Innovation Officer, Leonardo
13:00 – 13:15	Introduction to demonstrations	Silvano Capuzzo Senior Advisor, DTA
13:15 – 13:30	Conclusions	Gianna Elisa Berlingiero Director of Economic Development Dept., Apulia Region Giuseppe Acierno President, DTA Eugenio Di Sciascio Deputy Mayor, City of Bari
13:30 – 14:30	Lunch Break	
14:30 – 17:30	UAM Flight Demonstrations (Live and recorded)	
18:30	Drone Light Show	



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Conference Agenda – Day 2

Friday, November 18th 2022

Session presenter: Michele De Feudis Journalist, La Gazzetta del Mezzogiorno

TIME	TOPIC	SPEAKER
09:00 – 09:15	Introduction	Giuseppe Acierno President, DTA Eugenio Di Sciascio Deputy Mayor, City of Bari
09:15 – 09:25	Institutional greetings	Valentino Valentini Vice Minister, Ministry of Enterprises and Made in Italy TBC
09:25 – 09:45	Grottaglie Airport Test Bed	Antonio Zilli Project Manager, DTA
09:45 – 09:55	Casa delle Tecnologie - Bari Open Innovation Hub	Michele Ruta Full Professor, PoliBa
09:55 – 11:10	Panel: Unmanned Aerial Vehicles: opportunities for talents and young entrepreneurs	Moderator: Manuela Matarrese Project Manager, DTA Panelists: <ul style="list-style-type: none"> • Francesco Giordano Full Professor, UniBa • Giuseppe Silipo Director, Apulia Regional Education Office • Antonio Ficarella Full Professor, Università del Salento - President, ITS Aerospazio Puglia • Michael Larsen Head of UAS Denmark Test Center • Francesca Zampano Director of Internationalization Dept., Apulia Region • Marco Arrobbio Head of Competence and Excellence Centers, Leonardo Unmanned System
11:10 – 12:15	Panel: Enterprises, technologies, and services for the smart city: enabling technologies for future mobility	Moderator: Uri Bornstein Senior advisor, DTA Panelists: <ul style="list-style-type: none"> • Michele Pantaleo General Manager, AMT Services • Alberto Iovino ATM/UTM integration, D-flight • Antonio Fiorentini Head of Open Innovation, Exprivia • Peter Stirratt Business Development - Survey & Surveillance, Skyports • Gianpaolo Conte Program Manager Advanced Air Mobility, Leonardo • Matteo Claudio Scopelliti Enterprise Marketing IoT & 5G, TIM
12:15 – 13:20	Panel: Enterprises, technologies, and services for the smart city: platforms and solutions for UAM	Moderator: Alessandro Cardi Senior Advisor, DTA Panelists: <ul style="list-style-type: none"> • Carlo Tursi CEO, UrbanV • Michael Hardt Associate Technical Fellow in Autonomy Technologies, Boeing Research & Technology - Europe • Federico Bus Operations Engineer, FlyingBasket • Laura Esposito Manager of RPAS Unit, Telespazio • Alberto Mennella Innovation Manager, TopView • Alon Abelson CEO, High Lander
13:20 – 13:30	Conclusions	Alessandro Delli Noci Regional Minister for Economic Development, Apulia Region Giuseppe Acierno President, DTA Eugenio Di Sciascio Deputy Mayor, City of Bari
13:30 – 14:30	Lunch Break	
14:30 – 17:30	UAM Flight Demonstrations (Live and recorded)	
18:30	Drone Light Show	



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Agenda of UAM demos

A series of live and recorded UAM operations will be performed in the afternoon of the two-day event. The following enterprises/organizations will take part in the demonstrations:

AMT Services – CETMA – D-Flight – DroneBase – Eagle Projects – ENAV – Exprivia – FlyingBasket – Leonardo – High Lander – Nimbus – Pipistrel – Planetek – Police Department of Bari – Salento Droni – Skyports – SkyEye Systems – Soul Software – Telespazio – TIM – TopView – UMS Skeldar – UST Italia – Vector Robotics

Thursday 17 th November			
N°	Mission Type	Live/Recorded	Operators
1	Basic mission demonstration	Live	DTA – Telespazio
2	Multiple and simultaneous UAS operations in a single sky	Live	DroneBase
3	Intermodal transport	Live	TopView – Navya – Capitaneria di Porto
4	Territorial observation with multisensors	Recorded	SkyEye Systems – Planetek
5	Coast control	Recorded	DTA – Municipal Police
6	Observation with Solar Platform	Recorded	Vector Robotics
7	Ship to land delivery and port territory control	Recorded	Skyports
8	Non cooperative platforms management	Recorded	Soul Software
9	Drone Light Show	Live	Eagle Projects
Friday 18 th November			
N°	Mission Type	Live/Recorded	Operators
10	Urban territorial control	Live	DTA – Exprivia
11	Delivery of goods at home	Live	DroneBase
12	Mission control with radio bridge	Live	TopView – Nimbus
13	Ship to land and coast patrol	Recorded	UMS Skeldar
14	Demonstration of aerial work	Recorded	Flying Basket
17	Platform and space control during a mission	Recorded	Highlander
15	Mobile Vertispot application	Recorded	UST Italia
16	Relief on architectural heritage	Recorded	Cetma-Salento Droni
18	Drone Light Show	Live	Eagle Projects

During the UAM demo, experimental U-space services will be provided inside the segregated air space by ENAV, D-flight and DTA.

This year's event starts the operation of **Bari Urban Drone Range**, representing a further step in creating a community that operates as the Apulian node of a national and international network to develop the UAM sector. This community consists of public and private actors, industry and academia, service providers and users, and sees its strengths in the availability and possibility of creation of the necessary expertise, and in the availability of valuable testing infrastructures in Bari (**Urban Drone Range**) and Grottaglie (**Grottaglie Airport Test Bed**) to support the development of the future solutions.



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Activities for schools and young people

For middle schools: Guided tours of the “Technology and New Air Mobility” exhibition

Science disseminators and experts in the field will introduce students to the technologies and objects on display: starting with the modern concept of *navigation* and continuing with an explanation of the role of satellites and how navigation apps such as Google maps work and ending with the concept of smart cities. The relationship between space technologies and *unmanned vehicles* (drones) in the service of sustainable development for the planet (climate change monitoring, earth observations, etc.) will be explained. The characteristics of the drones on display will be illustrated and the missions they can perform will be described, showing recordings and demonstrations that will take place during Drones Beyond 2022.

For high schools: Participation in “DB racing”

DTA offers to high schools the opportunity to get closer to the technologies that will be presented at Drones Beyond, also through games and sport: professional and/or amateur athletes will invite students to compete in an FPV (First Person View) drone racing competition. Within a circuit of obstacles to overcome, teams of students will compete driving mini drones. The team that completes the circuit in the shortest time will win.

In addition to participating with their own team in the DB racing competition, schools will be able to visit the exhibition on “*technologies and new aerial mobility*” while at the event. If they are interested, they will be able to attend “live” (or recorded, in the case of adverse weather conditions) demonstrations of drones carrying out missions of various kinds, such as environmental monitoring, parcel delivery or aerial work.

For young people aged 18 and above: seminars

Thursday, November 17 th		
12:00 – 12:30	Unmanned Aerial systems: regulatory profiles	Walter Romano, DTA scarl
12:30 – 13:00	The drone as a generator of high-quality data: technological issues, scientific value, commercial spin-offs	Michele Ruta, Politecnico di Bari
13:00 – 13:10	The CASSINI Hackaton comes to Bari!	Planetek Italia
13:10 – 13:30	"Financing and public acceptance for UAM" outcomes from the ASSURED-UAM project (H2020)	Michele Giannuzzi, DTA scarl
Friday, November 18 th		
12:00 – 12:30	The aircraft propulsion of the future	Antonio Ficarella, Università del Salento
12:30 – 13:00	Drones and sustainability: new frontiers and green emerging technologies	Francesco Giordano, Università degli Studi di Bari «Aldo Moro»
13:00 – 13:30	Leonardo Drone Contest: an open innovation experience between a university and a large company	Marco Arrobbio, Leonardo SpA