



# HELLENIC MINISTRY OF NATIONAL DEFENCE

GENERAL DIRECTORATE FOR DEFENCE  
INVESTMENTS & ARMAMENTS

## SCIENCE AND TECHNOLOGY SYMPOSIUM

22-23 OCTOBER 2018

### PROGRAM

22 October, Monday: «Presentations Session»

08:30-09:00	Registration - Coffee		
09:00-09:30	Science & Technology in Support of Security Cooperation	Brig Gen (Eng) P. Kyriafinis, HAF (GDDIA/Director of Defence Investments & Technological Research)	
		COL Jay Gardner (Office of Defence Cooperation)	
09:30-11:30	Key Note Speaker	Dr. Juanita M. Christensen (U.S. Army Aviation & Missile Research, Development & Engineering Center)	
		U.S. DEPARTMENT OF DEFENCE R&D DIRECTORATES	
		Army Research Development & Engineering Command	Dr. Andy Nelson LTC Simeon Wood Ms. Sandra Gomez
		Army Research Laboratory	Dr. Alexander Kott
		Air Force Research & Development	COL Brent Morris
		Navy Research & Development	Mr. Nicholas Chotiros
		Armaments Cooperation	Mr. Lonnie Johnson
		Coalition Warfare Program	Mr. Chris Lasmanis
11:30-11:45	Coffee Break		
11:45-13:00	Sea State & Ground Characterization Using Real Synthetic Aperture Radar (SAR) Range-Profile Data & Fractal Mathematical Techniques	Professor Frangos (National Technical University of Athens)	
	Optimization In the Design & Operation of Naval Ships, Using State-of-the-Art Tools	Professor Grigoropoulos (National Technical University of Athens)	
	Advanced Terrestrial & Satellite Wireless Telecommunication	Professor Mathiopoulos (University of Athens)	

13:00-14:00	Lunch Break	
14:00-15:15	Development, Optimization & Integration of Thermal Spraying Methods for Coating Applications	Dr. Koutsomichalis (Hellenic Air Force Academy)
	State-of-the-Art Ka-band MMICs Using Stripline & Coplanar Techniques in Filters & GaN/Si High Power Amplifiers Design	Dr. Karagianni (Hellenic Naval Academy)
	Advanced Technologies in 3D Materials Manufacturing for Defence Applications	Dr. Mouzakis (Hellenic Army Academy)
15:15-16:30	B2B Discussions - Interaction	

23 October, Tuesday: «Presentations Session»

09:00-09:30	Coffee	
09:30-11:15	RF Directed Energy Systems & Intentional Electromagnetic Interference Effects	Professor Savaidis (University of West Attica)
	Nanomaterials & Future Multifunctional Structural Prospects - Beyond Legacy Solutions	Professor Kostopoulos & Dr. Tsantzalís (University of Patras)
	Autonomous Unmanned Vehicles as Swarms for Defence & Traffic Management Applications	Professor Lappas (University of Patras)
	Advanced Applications of Porous, Smart & Nanomaterials in the Defence Industry	Professor Michailidis (Aristotle University of Thessaloniki)
11:15-11:30	Coffee Break	
11:30 - 13:00	FORTH - ICS Activities & Research Results in Defence & Security Applications	Professor Plexousakis (Foundation of Research & Technology)
	Adapting FORTH - IESL Research Towards Security & Defence Applications	Professor Anastasiadis (Foundation of Research & Technology)
	Operational & Infrastructural Cyber - Security Through Artificial Intelligence Methods	Dr. Drosou (Centre of Research & Technology)
13:00 - 14:00	Lunch Break	
14:00 - 14:30	Closing Remarks	
14:30 - 16:00	B2B Discussions - Interaction	

Hellenic Armed Forces Officers' Club

Organisation: HELLENIC MOD/GDDIA & US EMBASSY/ODC

