

Tuesday December 11, 2018

08:30-09:00	Registration	
09:00-09:15	Opening Ceremony	
09:15-09:30	Javier de Ory (Ministerio de Defensa, Spain)	
09:30-09:45	Jose Carlos Cordero Perez (Guardia Civil, Spain)	
09:45-10:00	María Antonia Martínez González (Instituto Nacional de Toxicología y Ciencias Forenses, Spain)	
10:00-10:15	Oscar Ruiz Barba (Policía Nacional, Spain)	
10:15-11:00	Coffee Break	
11:00-11:30	Nieves Murillo (Tecnalia, Spain) <i>Heterogeneous sensors, the tool for the Digitalization of the safety and security sectors. A vision and uses cases</i>	K
11:30-12:00	Alexandre Carella (CEA, France) <i>Chemically functionalized nanomaterials-based sensors and colorimetric papers for the detection of nerve agents</i>	K
12:00-12:15	Pablo A. Postigo (IMN-CSIC, Spain) <i>Low-cost, high-sensitivity, fast and easy detection of liquids or gases by a nanophotonic sensor and a Smartphone</i>	O
12:15-12:45	Juan Carlos Cabria Ramos (INTA, Spain) <i>Nanotechnology for Security and defence. CBRN and Materials Dept. at INTA-Campus La Marañosa</i>	K
12:45-13:15	Fabian Torres (SICPA Spain SLU, Spain) <i>Track & Trace systems based on marking using security inks for excisable tax goods (tobacco, alcohol, beer, fuel) and critical goods (explosives, arms, ammunition)</i>	I
13:15-14:45	Cocktail Lunch	
14:45-15:15	Jorge Pedros (ISOM/UPM, Spain) <i>Graphene-based composite supercapacitors for enhanced capabilities</i>	I
15:15-15:30	Vanessa Garcia Martinez (FIDAMC, Spain) <i>Composites containing graphene-related materials: potential defence applications</i>	O
15:30-15:45	Rajveer Fandan (ISOM/UPM, Spain) <i>Light matter interaction graphene/h-BN and graphene/h-BN/graphene heterostructures mediated by surface acoustic waves</i>	O
15:45-16:30	Coffee Break	
16:30-17:00	Jose María De Teresa (UNIZAR, Spain) <i>Nanofabrication and microscopies based on focused electron / ion beams for applications in nanosafety</i>	K
17:00-17:30	Pablo Diaz Nuñez (IFN-GV/ ETSII - Universidad Politécnica de Madrid, Spain) <i>Fabrication of ultra-monodisperse colloidal gold nanorods by means of femtosecond laser irradiation</i>	K
17:30-17:45	Ariel Fierro (IFN-GV/ ETSII - Universidad Politécnica de Madrid, Spain) <i>Conceptual Design of a Tritium Breeding Blanket based on Nanostructured Lithium Ceramics</i>	O

Wednesday December 12, 2018

09:00-09:15	Benito Alén (IMN-CNM, Instituto de Micro y NanoTecnología, CSIC, Spain) <i>Monolithic quantum light sources for satellital QKD applications</i>	O
09:15-09:30	Gabriel Molina Terriza (Materials Physics Centre, Spain) <i>Quantum technologies for Defence applications</i>	O
09:30-09:45	Francisco Diaz Otero (University of Vigo, Spain) <i>A review on security and technology research activities for terrestrial and space applications</i>	O
09:45-10:15	Juan Carlos Castro-Palacio (IFN-GV/ ETSII - Universidad Politécnica de Madrid, Spain) <i>Shape changes in plasmonic nanostructures induced by laser irradiation: Potential applications to energy storage</i>	I
10:15-10:45	Raquel Gonzalez Arrabal (IFN-GV/ ETSII - Universidad Politécnica de Madrid, Spain) <i>Fabrication of nanostructured coatings for energy applications</i>	K
10:45-11:15	Coffee Break	
11:15-11:45	Alfonso Gallo Bueno (ITENE, Spain) <i>Exposure models and risk mitigation measures during the production of ENMs and nano-enabled products</i>	I
11:45-12:15	Fernando Ponz Ascaso (INIA, Spain) <i>Multiple possibilities of nanoparticulate biomaterials</i>	K
12:15-12:30	Ricardo Santana (Universidad Pontificia Bolivariana / Universidad de Deusto, Colombia/Spain) <i>PTML predictive model por evaluation of nanomaterials linked to vitamins</i>	O
12:30-13:00	Miguel Roncales (AlphaSip, Spain) <i>Triple Trust, nanotechnology for a double index method and one evidencial on the road</i>	I
13:00-13:30	Arben Merkoçi (ICREA-ICN2, Spain) <i>Nanobiosensors for safety and security applications</i>	K
13:30-14:30	Cocktail Lunch	
14:30	Closing	