

Day 1 (12.09.2017, Tuesday)

Arrival and registration

12:30 Buffet

19:30 Welcome Party

Day 2 (13.09.2017, Wednesday)

Morning Session		Chair: C. Popov
9:00	Opening session	P. Petkov, D. Tsuilyanu
9:15	Greetings of the Lord-Mayor of Sozopol	P. Reyzi
9:30	Colloidal nanostructures as building blocks for advanced applications: properties and functions	M. Striccoli
10:30	Coffee break	
11:00	Optically active oxide glass ceramics - synthesis, characterization and applications	D. Tonchev
12:15	Lunch	
Afternoon Session		Chair: M. Striccoli
15:30	Coffee refreshment	
16:00	Advanced laser technology for fabrication of doped layers and multilayers of organic and inorganic thin film sensors	M. Jelinek
17:00	Transparent thin In ₂ O ₃ and SnO ₂ films for sensors	P. Petkov
18:15	Guided walking tour through the Old Sozopol	
20:00	Dinner	

Day 3 (14.09.2017, Thursday)

Morning Session		Chair: M. Jelinek
8:30	Quantum information technology and sensing based on color centers in diamond	C. Popov
9:30	Single color centers in diamond as ultra-sensitive nano-probes	B. Naydenov
10:00	Single photon detectors at cryogen temperatures and room temperature	C. Möller
10:30	Coffee break	
11:00	Nanostructured ZnO layers – properties and application for advanced photovoltaics technologies	D. Malinovska
12:15	Lunch	
Afternoon Session		Chair: P. Petkov
15:30	Coffee refreshment	
16:00	Sensitive Raman spectroscopy	M. Veres
16:30	Poster session I – Fabrication, Characterization and Processing of Nanomaterials (Session M) – poster-flash presentations	
18:10	Break	
18:20	Poster session I – Fabrication, Characterization and Processing of Nanomaterials (Session M) – poster presentations	
19:30	Dinner	

Day 4 (15.09.2017, Friday)

Morning Session		Chair: G. Vayssilov
8:30	Road mapping the future in defense and security: innovations in technology using multidisciplinary convergence	A. Vaseashta
9:30	Nanostructured carbon materials: Synthesis and applications	A. Ansón
10:30 Coffee break		
11:00	Carbon nanostructured materials for sensors	A. Ansón
12:15 Lunch		
Afternoon Session		
Chair: D. Tonchev		
15:30 Coffee refreshment		
16:00	Enzymes against biological and chemical weapons	I. Pavlidis
17:00	Innovative nanocomposites and hybrid materials towards sensing and detection	M. Striccoli
18:00	Break	
18:15	Next generation diagnostics: Highly sensitive integrated CMOS photodiode sensor array for light absorption measurement	S. Germer
18:45	Nanocomposites of electrospun polymeric materials as protective textiles against chemical and biological hazards	N. Karagülle
19:30 Dinner		

Day 5 (16.09.2017, Saturday)

Morning Session		Chair: A. Vaseashta
8:30	Measurement and modeling of dielectric response of composite materials	M.Achour
9:30	Field effect based smart sensors and applications – Part I	A. Benfdila
10:30 Coffee break		
11:00	Field effect based smart sensors and applications – Part II	A. Benfdila
12:15 Lunch		
Afternoon Session		
		Chair: C. Popov
15:30 Coffee refreshment		
16:00	Sr-substituted barium titanate glass ceramics prepared from oxide glasses as potential material for sensor applications	R. Harizanova
16:30	Poster session II – Nanowires, Fibres, Nanoparticles, nanocomposites, Glasses and Polymers (Session N) – poster-flash presentations	
18:10	Break	
18:20	Poster session II – Nanowires, Fibres, Nanoparticles, nanocomposites, Glasses and Polymers (Session N) – poster presentations	
19:30 Dinner		

Day 6 (17.09.2017, Sunday)

Morning Session		Chair: L. Costa
8:30	Positron annihilation spectroscopy as a powerful experimental platform of nanotechnology applied to polymer nanocomposites with ion-synthesized carbon nanostructures and metal nanoparticles	T. Kavetsky
9:30	Nanostructured ZnO films for application in gas sensors	D.Malinovska
10:30 Coffee break		
11:00	Loaded nanofibers for force protection, filtration and decontamination	A. Vaseashta
12:15 Lunch		
Afternoon Session		Chair: T. Kavetsky
15:30 Coffee refreshment		
16:00	Discovery and development of antibodies for enhanced delivery of countermeasures into the brain	J. Georgieva
16:30	Room temperature proton conductivity in composite oxide materials	O. Kostadinova
17:00	Effect of structure modification on the ureasilicate matrix properties	V.Ilcheva
17:30	Break	
17:45	Thermally stimulated depolarization and polarization currents on glasses	M. Graca
18:15	Nanocomposite materials synthesized by laser techniques used for photocatalytic pollutants degradation	A. Datcu
18:45	Nanosized ferrite materials for absorption and protection from microwave radiation	S. Kolev
19:30 Dinner		

Day 7 (18.09.2017, Monday)

Morning Session		Chair: A. Ansón
8:30	Improvement of the catalytic activity of Pt or Ru through synergetic interaction with Co – approach for reducing noble metals in electrocatalysts aimed for water electrolysis	P. Paunovic
9:30	DC and AC electrical conductivity of insulator/conductor composites: Experience and modeling	M. Achour
10:30	Coffee break	
11:00	Application of zeolites for removal of toxic chemical agents, radionuclides, and gas pollutants	G. Vayssilov
12:15	Lunch	
Afternoon Session		Chair: D. Tsiulyanu
15:30	Coffee refreshment	
16:00	BaO/SrO/ZnO/SiO ₂ glass system: Influence of different nucleation agents: bulk versus surface crystallization	L. Vladislavova
16:30	Poster session III – Sensors and Detectors, Water Treatment and Environment, Health (Session S) – poster-flash presentations	
18:10	Break	
18:20	Poster session III – Sensors and Detectors, Water Treatment and Environment, Health (Session S) – poster presentations	
19:30	Dinner	

Day 8 (19.09.2017, Tuesday)

Morning Session		Chair: P. Paunovic
8:30	Impedance characterization of gas sensitive chalcogenide films	D. Tsiulyanu
9:30	Ureasil-based polymer matrices as sensitive layers for construction of amperometric biosensors for monitoring the level of wastewater pollution	T. Kavetsky
10:30	Coffee break	
11:00	Time domain versus frequency domain in the characterization of materials	L. Costa
12:15	Lunch	
Afternoon Session		Chair: C. Popov
15:30	Coffee refreshment	
16:00	Closing remarks and conclusions	P. Petkov, D. Tsuiylyanu
18:00	Closing ceremony	P. Petkov, D. Tsuiylyanu
19:30	Farewell party	

Day 9 (20.06.2014, Wednesday)

Departure