

GIORNATA DEL GRUPPO SENSORI della SOCIETA' CHIMICA ITALIANA e SIOF
19-20 settembre 2013 - Sestri Levante (GE)
PROGRAMMA

GIOVEDI' 19 settembre 2013 - pomeriggio SALA GINEPRO

Sessione 1 - Chairman: Giovanna Marrazza

14.00-14.20	01	Giannetto M.	DEVELOPMENT AND VALIDATION OF A NEW AMPEROMETRIC IMMUNOSENSOR AS BIOMEDICAL DEVICE FOR DIAGNOSIS OF CELIAC DISEASE	UNIPR	E. Umiltà, A. Manfredi, M. Mattarozzi, M. Careri
14.20-14.40	02	Tomassetti M.	PENICILLIN G AND OTHER β -LACTAMIC ANTIBIOTICS DETERMINATION USING A NEW IMMUNOSENSOR IN REAL SAMPLES	UNIRoma1 Sapienza	G. Merola, E. Martini, L. Campanella
14.40-15.00	03	Torsi L.	ULTRASENSITIVE OFET ARCHITECTURES TO PROBING BIOMOLECULES INTERACTIONS	UNIBA	K. Manoli, M. Magliulo, G. Palazzo
15.00-15.20	04	Di Fusco M.	DEVELOPMENT OF E-NOSE-BASED METHODS FOR THE CHARACTERIZATION OF COSMETIC PRODUCTS	UNIBO	M. Mirasoli, C. Colliva, S. Spinozzi, C. Camborata, M. Remondini, A. Roda
15.20-15.40	05	Palchetti I.	ELECTROCHEMICAL LIPOSOME-BASED BIOSENSORS FOR NUCLEIC ACID DETECTION	UNIFI	D. Voccia, F. Bettazzi, G. Baydemir
15.40-16.00	COFFEE BREAK				

Sessione 2 - Chairman: Angela Lombardi

16.00-16.20	06	Speranza G.	NANODIAMOND-GOLD CORE-SHELL NOVEL BIOPROBES	FBK	Minati
16.20-16.40	07	Consales M.	FIBER OPTIC PLASMONIC NANOPROBES: TOWARDS MULTIFUNCTIONAL PHOTONIC DEVICES AND COMPONENTS	UNISANNIO	Ricciardi, Consales, Quero, Crescitelli, Esposito, Cusano
16.40-17.00	08	Tombelli S.	OLIGONUCLEOTIDE OPTICAL SWITCHES FOR INTRACELLULAR SENSING	IFAC-CNR	Tombelli, Giannetti, Trono, Adinolfi, Nieri, Ballestri, Varchi, Baldini
17.00-17.20	09	Chiappini A.	COLLOIDAL NANOPARTICLES: FROM BUILDING BLOCKS TO POSSIBLE APPLICATIONS	IFN-CNR	Armellini, Carpentiero, Lunelli, Pelli, Righini, Ferrari
17.20-17.40	010	Spizzichino V.	APPLICATION OF RAMAN SPECTROSCOPY FOR ANALYSIS OF POLLEN	ENEA	Spizzichino, Lai, Angelini, Palucci
17.40-18.00	011	Managò S.	LABEL-FREE BIOCHEMICAL CHARACTERIZATION OF BOVINE SPERM CELLS USING RAMAN MICROSCOPY	IBP-CNR	Managò, Coppola, Ferrara, Sirloto, Rendina, Ferraro, Puglisi, Balduzzi, Galli, De Luca
18.00	Assemblea Gruppo Sensori SCI				

VENERDI' 20 settembre 2013 - mattino SALA GINEPRO

Sessione 3 - Chairman: Claudio Fontanesi

9.00-9.20	012	Lavecchia T.	SENSING by CNT	UNIRoma2 Tor Vergata	S. Gay, V. Guglielmotti, M. Lucci, S. Orlanducci, G. Reina, E. Tamburri, M.L. Terranova
9.20-9.40	013	Del Carlo M.	SIMULTANEOUS ELECTROCHEMICAL DETERMINATION OF ORTHO-DIPHENOLS, MONOPHENOLS AND TOCOPHEROLS IN OLIVE OIL SAMPLES IN ORGANIC MEDIUM	UNITE	A. Ulrici, D. Innocenzi, A. Pepe, G. Foca, L. Pigani, R. Seeber, D. Compagnone
9.40-10.00	014	Falciola L.	CARBON-BASED ELECTRODES FOR THE ELECTROANALYTICAL MONITORING OF O-TOLUIDINE	UNIMI	V. Pifferi, C. Di Bari, G. Cappelletti, F. Spadavecchia, E. Ferrari, P. Ferruti, A. Manfredi, E. Ranucci
10.00-10.20	015	Terzi F.	NOVEL ELECTRODE MATERIALS FOR THE DETERMINATION OF HIGH CONCENTRATIONS OF STRONG OXIDANTS	UNIMORE	B. Zanfognini, J. Pellicciari, Laura Pigani, C. Zanardi, R. Seeber
10.20-10.40	016	Curulli A.	THE EFFECT OF CHEMICO-STRUCTURAL FEATURES OF ANTIOXIDANTS ON THE ELECTROCHEMICAL RESPONSE AT METAL-BIOPOLYMER NANOCOMPOSITE FILMS	CNR-Roma	G. Di Carlo, A. Trani, G.M. Ingo' D. Zane
10.40-11.00	017	Mussini P.	ENANTIOSELECTIVE ELECTRODES BASED ON INHERENTLY CHIRAL MOLECULAR MATERIALS	UNIMI	S. Arnaboldi, I. Benincori, V. Bonometti, R. Cirilli, L. Dunsch, W. Kutner, G. Longhi, K. Noworyta, M. Panigati, M. Pierini, S. Rizzo, F. Sannicolò
11.00-11.20	COFFEE BREAK				

Sessione 4 - Chairman: Luigi Falciola

11.20-11.40	018	Buscaglia M.	MULTISPOT, LABEL-FREE BIODETECTION AT A PHANTOM PLASTIC-WATER INTERFACE	UNIMI	Giavazzi, Salina, Cerbino, Bassi, Prosperi, Ceccarello, Damin, Sola, Rusnati, Chiari, Chini, Bellini
11.40-12.00	019	Caliò A.	OPTICAL MONITORING OF PROTEINS-GLUCOSE INTERACTION USING HYBRID BIO/NON-BIO INTERFACES	NA-IMM-CNR	Rea, Politi, Giardina, Longobardi, De Stefano
12.00-12.20	020	Funari R.	QUARTZ CRYSTAL MICROBALANCE AS IMMUNOSENSORS FOR THE DETECTION OF LIGHT MOLECULES	UNINA	Funari, Della Ventura, Altucci, Velotta
12.20-12.40	021	Colombelli A.	PLASMONIC NANOSTRUCTURES FOR CHEMICAL SENSOR APPLICATION	LE-IMM-CNR	Colombelli, Manera, Rella, Convertino, Cuscunà, Martelli
12.40-13.00	022	Vitale R.	HEME-PROTEIN MIMETICS IN BIOSENSOR CONSTRUCTION	UNINA	V. Balland, L. Lista, O. Maglio, F. Nastri, V. Pavone, A. Lombardi

13.00-14.00 PRANZO

VENERDI' 20 settembre 2013 - pomeriggio SALA GINEPRO				
Sessione 5 - Chairman: Silvia Orlanducci				
14.00-14.20	O23	Surdo S.	IN-SITU LABEL-FREE OPTICAL DETECTION OF CELLS CULTURED IN 3D MICROINCUBATORS	IET-UNIFI Carpignano, Silva, Scovassi, Aredia, Merlo, Mazzini, Barillaro
14.20-14.40	O24	Nunzi Conti G.	FIBER RING LASER FOR SENSING USING A MICROSPHERICAL RESONATOR	IFAC-CNR Farnesi, Berneschi, Cosi, Trono, Righini, Soria
14.40-15.00	O25	Nascetti A.	INTEGRATION OF AMORPHOUS SILICON PHOTOSENSORS WITH AN ELECTROWETTING-ON-DIELECTRIC SYSTEM	UNIRoma1 Sapienza Antonacci, Caputo, de Cesare, Nascetti, Scipinotti
15.00-15.20	O26	Persichetti G.	WATER POLLUTANTS DETECTION AND QUANTIFICATION USING A LIQUID JET WAVEGUIDE SENSOR	IREA-CNR Persichetti, Testa, Bernini
15.20-15.40		COFFEE BREAK		
Sessione 6 - Chairman: Giuseppe Palleschi				
16.00-16.20	O28	Candiani A.	PHOTONIC PLATFORM BASED ON FUNCTIONALIZED MICROSTRUCTURED OPTICAL FIBER FOR DNA DETECTION	Giannetti, Sozzi, Hussein T. Salloom, Hadi Al-Janabi, Cucinotta, Selleri
16.20-16.40	O29	Tadini Buoninsegni F.	A BIOSENSOR TECHNOLOGY TO INVESTIGATE DRUG INTERACTIONS WITH MEMBRANE TRANSPORTERS	UNIFI G. Bartolommei, M.R. Moncelli

SESSIONE POSTER				
P1	Centonze D.	SENSITIVE AND INTERFERENCE-FREE GLUTAMATE AMPEROMETRIC BIOSENSOR FOR THE MONITORING OF FOODSTUFFS	UNIFG	D. Nardiello, C. Palermo, M. Quinto
P2	Di Fusco M.	CHARACTERIZATION OF GREEN TEA: EVALUATION OF GEOGRAPHICAL ORIGIN AND CONSERVATION DEGREE BASED ON E-NOSE AND CAPILLARY ELECTROPHORESIS ANALYSES	UNIBO	M. Mirasoli, C. Colliva, R. Gotti, A. Roda
P3	Manfredi A.	DEVELOPMENT OF THE FIRST PIEZOELECTRIC IMMUNOSENSOR FOR RAPID AND ACCURATE DETERMINATION OF ANTIBODIES INVOLVED IN THE CELIAC DISEASE	UNIPR	M. Careri, S. Corradi, M. Giannetto, M. Mattarozzi
P4		RITIRATO		
P5	Marrazza G.	POLYMER-MODIFIED THIN-FILM INTERDIGITATED ARRAY FOR (BIO)SENSING APPLICATIONS	UNIFI	A. Ravalli
P6	Pifferi V.	CHARACTERIZATION AND ELECTROANALYTICAL APPLICATIONS OF DIFFERENT ELECTRODE ARCHITECTURES BASED ON PEDOT, POLY(BRILLIANT GREEN) AND CARBON NANOTUBES	UNIMI	M.M. Barsan, M.E. Ghica, L. Falciola, C.M.A. Brett
P7	Pifferi V.	NAFION [®] STABILIZED SILVER NANOPARTICLES MODIFIED ELECTRODES: CHARACTERIZATION AND USE IN ELECTROANALYSIS	UNIMI	L. Falciola, V. Marona, M. Gatti, M. Longhi
P8	Pigani L.	AMPEROMETRIC SENSORS FOR THE ANALYSIS OF extra-virgin OLIVE OILS	UNIMORE	B. Zanfognini, R. Seeber, F. Terzi, C. Zanardi, A. Ulrici, G. Foca, M. Del Carlo, D. Compagnone
P9	Ulrici A.	DEVELOPMENT OF ALGORITHMS FOR THE OPTIMIZATION OF DRUG PRECURSORS DETECTION WITH A LASER PHOTOACOUSTIC SENSING SYSTEM	UNIMORE	M. Calderisi, R. Seeber
P10	Di Palma V.	MULTY-ANALYTE ELECTROCHEMICAL BIOSENSORS ON FLEXIBLE FOILS	STMicronics	M.F. Bevilacqua, A. di Matteo, O. Maglio, A. Lombardi
P11	Lepore M.	AN OPTICAL BIOSENSOR FOR CATECHOL DETECTION BASED ON SOL-GEL IMMOBILIZED POROUS SILICON BASED NANOTECHNOLOGY FOR OPTICAL BIOSENSORS	UNINA	Delfino, Portaccio, Mita
P12	Mariani S.		UNIFI	Surdo, Minunni, Barillaro
P13		TRASFORMATO IN ORALE: O9		
P14	Terracciano M.	SILANE MODIFIED POROUS SILICON OPTICAL DEVICES FOR IN SITU OLIGONUCLEOTIDES SYNTHESIS AND DETECTION	NA-IMM-CNR	De Stefano, Oliviero, Borbone, Piccialli, Rea
P15	Chiavaioli F.	IMMUNOASSAY-BASED COPOLYMER-FUNCTIONALIZED LONG PERIOD GRATING AS A TOOL FOR LABEL-FREE BIOSENSING	IFAC-CNR	Chiavaioli, Trono, Giannetti, Tombelli, Brenci, Baldini
P16	Manera M.G.	NANOSTRUCTURED MAGNETO-OPTIC TRANSDUCERS FOR BIOSENSING APPLICATIONS	LE-IMM-CNR	Manera, Ferreiro-Vila, Garcia-Martín, García, Arnelles, Cebollada, Rell
P17	De Lorenzis E.	SPR-BASED IMMUNOSENSOR FOR THE DETECTION OF <i>SALMONELLA SPP</i> IN AQUEOUS SAMPLE	LE-IMM-CNR	De Lorenzis, Cimaglia, Chiesa, Poltronieri, Santino, Manera, Colombelli, Rella
P18	Della Ventura B.	ANTIBODY FUNCTIONALIZATION OF QCM GOLD ELECTRODES BY PHOTONIC INDUCED TECHNIQUE		Della Ventura, Funari, Ambrosio, Lettieri, Maddalena, Velotta, Altucci
P19	Giannetti A.	OPTICAL FIBER NANOTIPS COATED WITH MOLECULAR BEACONS FOR MRNA DETECTION IN CELLS	IFAC-CNR	Giannetti, Barucci, Tombelli, Trono, Cosi, Righini, Pelli, Baldini
P20	Baldini F.	NANODEM AND HEMOSPEC: TWO NOVEL EUROPEAN PROJECTS FOR POCT	IFAC-CNR	Baldini, Berneschi, Berrettoni, Giannetti, Tombelli, Trono
P21	Selleri S.	DNA DETECTION BASED ON FUNCTIONALIZED HOLLOW CORE FIBERS	UNIPR	Candiani, Giannetti, Salloom, Sozzi, Al-Janabi, Cucinotta, Selleri, Kopylov, Kolmycheck, Murzina, Giannetti, Tombelli, Berneschi, Soria, Baldini
P22	Soria Huguet S.	COLORIMETRIC RESONANT IMMUNODETECTION IN PHOTONIC CRYSTALS	IFAC-CNR	