



ELENCO POSTER:

SESS.	N°	TITOLO	AUTORI	SPEAKER	SEDE
1	1	<i>Device Applications of TeBased TwoDimensional Materials-Based Two-Dimensional Materials</i>	C. Massetti	C. Massetti	Agrate Brianza
1	2	<i>Metaplastic spintronic synapses as viable solution to mitigate catastrophic forgetting in neuromorphic architectures</i>	<u>A. Cataldo</u> , A. Mirshokrae, A.Lamperti	A. Lamperti	Agrate Brianza
1	3	<i>Topological Insulators for Spintronics</i>	<u>R. Ahmed</u> , C. Wiemer, R.Mantovan	C. Wiemer	Agrate Brianza
1	4	<i>2D materials integration with wide band gap semiconductors for energy efficient electronics</i>	S.E. Panasci, E. Schilirò, P. Fiorenza, G. Greco, G. Marcellino, M. Vivona, R. Lo Nigro, S. Di Franco, F. Roccaforte, F. Giannazzo	S. E. Panasci	Sede CT
1	5	<i>Interdiffusion at the molybdenum-TEOS interface in flat and nanostructured systems during graphene CVD</i>	S. Zappalà, M. Scuderi, S. Mirabella, D. Costantino, A. Sciuto, G. Compagnini, V. Privitera, E. Rimini, G. D'Arrigo	S. Zappalà	Sede CT
1	6	<i>Electrodeposition of two-dimensional semiconductors: applications in sensing and catalysis</i>	N. Marino, G. Milazzo, G. Tranchida, M. Ahmadi, V. Anastasi, R. Pagano, S. Lombardo, S. Privitera	N. Marino	Sede CT
1	7	<i>Multifunctional Nanomaterials for Environmental Remediation: Adsorption, Photocatalysis and Filtration Processes.</i>	S. Filice, V. Scuderi, M. Ussia, S. Crispi, D. Ricciarelli and S. Scalese	S. Crispi	Sede CT
1	8	<i>Development of Nanomaterial-Based Electrical and Electrochemical Sensing Platforms for Health and Environmental Applications</i>	V. Scuderi, C.M.U Spampinato, I. M. Caruso, D. Ricciarelli, S. Filice, S. Crispi, S. Scalese	D. Ricciarelli	Sede CT
1	9	<i>Human Volatilome Analysis by a impedimetric spectrosensor and SPME-GC/MS</i>	<u>G. My</u> , A. Forleo, P.Siciliano, S. Capone,	S. Capone	Lecce
1	10	<i>Optimizing Plasmonic Nanocrystals Arrays: A Multi-Modal Approach to Advanced chemical sensing</i>	<u>A. Colombelli</u> , D. Lospinoso, I. Farella, P.Pellegrino, R. Rella, M.G.Manera	M.G. Manera	Lecce

1	11	<i>Surface – Enhanced Raman spectroscopy and imaging: advanced plasmonic platforms for Agri-Food sensing</i>	<u>D. Lospinoso</u> , A. Colombelli , P. Creti, M.C. Martucci, R. Rella, M.G.Manera	M.G. Manera	Lecce
1	12	<i>Ultrasound and Nanotechnologies to Unveil the Secrets of Brain Communication. Vertical integration of ultrasonic transducers (MUTs) and nanostructured microelectrode arrays (NMEAs) for the study of brain cells' mechanosensitive ion channels in closed-loop systems.</i>	I. Lucarini, F.o Maita, E. Palmieri, L. Montaina, A. Minotti, A. Convertino, L. Maiolo.	I. Lucarini	Roma
1	13	<i>Exploiting the power of wild bacteria for the monitoring of marine areas through an innovative electrochemical biosensor system</i>	K. Buonasera, R. Denaro, M.Galletta, A. Irrera, G. Pezzotti Escobar	K. Buonasera	Messina
1	14	<i>Versatile Silicon Nanowire Biointerfaces For Interrogating Nervous System Cells</i>	F. Pescosolido, I. Lucarini, E. Palmieri, L. Montaina, F. Maita, L. Maiolo, A.Convertino	F. Pescosolido	Roma
1	15	<i>Optical Sensing Strategies for Real-Time Chemical Monitoring in Organ-on-Chip Systems</i>	A. Colombelli , D. Lospinoso, R. Rella, M.G.Manera	M.G.Manera	Lecce
1	16	<i>Advanced Microfluidic Cells for Improved Real-Time Optical and Electrochemical Biosensor Performance</i>	G. Pezzotti Escobar, K. Buonasera, M. Galletta, A. Paone, A. Leonardi, M, J, Lo Faro, S. Failla, B.Fazio, A. Irrera	G.Pezzotti Escobar	Messina
1	17	<i>A Spectroscopic Sensing System based on Machine Learning for Automatic Beverage Recognition in Digital Health Applications</i>	L. Montaina, E. Palmieri, I. Lucarini, L. Maiolo, F. Maita	L. Montaina	Roma
1	18	<i>Hemp shives conformally coated by ZnO for wastewater remediation</i>	C. La Ferrera, M. Zimbone, L. Vitiello, V. Strano, G. Sfuncia, G. Nicotra, V. Arena, A. Alberti, R. Fiorenza, S. C. Carroccio, G. Impellizzeri	C. LaFerrera	Unict
1	19	<i>Beyond discipline borders: sustainable solutions through nano & biotechnologies for smart agriculture and cultural heritage</i>	M. Miritello, M. A. Buccheri, M. Zimbone, G. Franzò, V. Torrisi, V.Strano	V. Torrisi	Unict
1	20	<i>Development of infrared two- dimensional materials-based photodetectors operating at room temperature</i>	G. Petrone, L. Mattiello, M. Benetti, D. Cannatà, M. Scagliotti and A. Liscio	G. Petrone	Roma
2	21	<i>Geometry-Driven Mechanobactericidal Activity of EBL-Fabricated PMMA Nanostructures with Preserved Human Cell Biocompatibility</i>	<u>P. Pellegrino</u> , M.G.Manera, I. Farella,	M.G.Manera	Lecce
2	22	<i>Novel biodegradable materials for flexible sustainable electronics</i>	E. Palmieri, I. Lucarini, L. Montaina, F. Maita, L. Maiolo	E.Palmieri	Roma

2	23	<i>Organic Electronics: Building Blocks for Next-Generation Materials, Devices, and Systems</i>	M. Scagliotti, M. Rapisarda, A. Valletta, L. Mariucci	M. Scagliotti	Roma
2	24	<i>Earth abundant functional layers: building blocks for sustainable PV technologies</i>	F. Florio, A. Lo Mastro, S. La Manna, B. Piritore, G. Franzò, M. Miritello, V. Torrisi, A. Terrasi	A. Lo Mastro	Unict
2	25	<i>Engineered nanomaterials for energy storage</i>	E. Bruno, G. G. Condorelli, A. Di Mauro, A. Fischetti, G. Franzò, V. La Torre, C. Lentini Campalleggio, G. Mineo, S. Mirabella, G. Pellegrino, L. Pulvirenti, D. Russo, M.C. Spadaro, V. Strano, A. Terrasi, F. Ursino	D. Russo	Unict
2	26	<i>Paper-based platform for loop-mediated isothermal amplification and airborne pathogens monitoring</i>	E. Sciurti, A. Calogiuri, L. Blasi, F. Ruighi, D. Bellisario, F. Casino, P. Siciliano, L. Francioso	L. Francioso	Lecce
2	27	<i>Design and experimental test of dual-coil extended-range rfid/nfc antenna stack for wearable electrochemical sensors</i>	H. U. Tahseen, L. Catarinucci, R. Colella, C. De Pascali, D. Bellisario, Vanessa Esposito, P. Siciliano, L. Francioso	L. Francioso	Lecce
2	28	<i>New materials and devices for next-generation photovoltaics</i>	M. Piliougine, G. Tranchida, M. Ahmadi, R. Pagano, G. Milazzo, N. Marino, S. Privitera, S. Lombardo	M. Piliougine	Sede CT
2	29	<i>SPAD: nuove tecnologie ed applicazioni</i>	R. Pagano, G. Milazzo, N. Marino, G. Tranchida, S. Privitera, S. Lombardo	R. Pagano	Sede CT
2	30	<i>Advanced processes in GaN power devices: from Schottky contacts to material growth</i>	S. Milazzo, G. Greco, E. Schilirò, D. Barresi, F. Giannazzo, P. Fiorenza, R. Lo Nigro, F. Roccaforte	S. Milazzo	Sede CT
2	31	<i>Advanced characterizations and gate oxides for 4H-SiC MOSFETs</i>	M. Zignale, P. Fiorenza, V. Votadoro, S. Di Franco, S.E. Panasci, M. Vivona, E. Schilirò, G. Greco, R. Lo Nigro, F. Giannazzo, F. Roccaforte.	M. Zignale	Sede CT
2	32	<i>CVD growth strategies for WBG Power electronics: from Bulk to Atomic scale by MOCVD, ALD and DLI reactors</i>	E. Schilirò, S. Milazzo, D. Barresi, S.E. Panasci, P. Fiorenza, G. Greco, M. Vivona, L. Finocchiaro, S. Di Franco, F. Giannazzo, F. Roccaforte, R. Lo Nigro	E. Schilirò	Sede CT
2	33	<i>Advanced 4H-SiC Detectors for Next-Generation Sensing: From Single-Ion to Neutron Detection</i>	A. S. Mancuso, E. Sangregorio, A. Muoio, S. De Luca, F. La Via	A. S. Mancuso	Sede
2	34	<i>Super Junction Fabrication in 4H-SiC via High-Energy Ion Channeling Implantation</i>	E. Sangregorio, A. S. Mancuso, A. Muoio, S. De Luca, F. La Via.	E. Sangregorio	Sede

2	35	<i>Luminescence studies and mild thermal treatment effects on SiC color centers</i>	S. Bonforte, S. Boninelli, I. Di Bari, G. D'arrigo, R. Farina, A. Sciuto	I. Di Bari	Sede CT
2	36	<i>Radiation-Engineered Superconducting Materials: A Platform Technology for Energy, Sensing, and Quantum Applications</i>	M. Scuderi	M. Scuderi	Sede CT
2	37	<i>Optical sensing systems for agro-environmental applications</i>	I. Di Bari, D.Longo, G. Giudice, C.Longo, V. Scimone, G. Curcuruto, S. C. Carroccio, Emanuela T. A. Spina, G. D'Arrigo, A. Sciuto	C.Longo	Sede CT
2	38	<i>Unconventional etch/deposition techniques and related atomistic process design</i>	A. Alberti, V. Arena, C. Bongiorno, G. Calogero, I. Deretzis, S. Ferranti, G.Fisicaro, A. La Magna, G. Mannino, D. Ricciarelli, L. Salemi, E. Smecca, S. Valastro	G. Calogero	Sede CT
2	39	<i>Sustainable electrocatalysts and scalable synthesis routes for hydrogen production by alkaline and saline water electrolysis</i>	S.EL Boumlasy, V. Iacono, C. Lo Pò, S.Boscarino, M. Urso, S. Mirabella, A. Terrasi, F.Ruffino	S. EL Boumlasy	Unict
2	40	<i>Micro-Nano Technologies @ N3-Lab</i>	A. Aloisi, A. Della Torre, R. Di Corato, P. Pellegrino, R. Rinaldi	R. Di Corato	Lecce