

June 29, 2021 - Day 1, AULA MAGNA Politecnico di Torino, Corso Duca degli Abruzzi 24

15:30 - 17:50	OPENING CEREMONY - Aula Magna Politecnico di Torino
15:30 - 16:15	Greetings from authorities Guido Saracco, Magnificent Rector of Politecnico di Torino Alberto Unia, Councilor for the environment of the city of Turin Angelo Robotto, General manager of Piedmont Environmental Protection Agency Roberto Ronco, General Manager of ATO3 Paolo Romano, President of the Società Metropolitana Acque Torinesi Alberto Marazzato, President and CEO of Marazzato Soluzioni Ambientali
16:15 - 16:30	SIDISA2021 Symposium Welcome address, Prof. Mariachiara Zanetti, Politecnico di Torino
16:30 - 17:50	OPENING SESSION (Moderator: Mariachiara Zanetti)
16:30 - 16:50	Prof. Fabio Tatano, European Technical and Scientific Committee (ETSC) at the EWA. "EWA: 40 years and counting for sustainable water in Europe"
16:50 - 17:50	KEYNOTE Prof. Michele Torregrossa, Università di Palermo. "Recovery and Recycle of Urban Waters"

June 30, 2021 - Day 2, Rooms I Politecnico di Torino, Corso Castellidardo 34

9:30 - 10:45		Working Session A1 (Room 1)	Working Session B1 (Room 3)	Working Session C1 (Room 5)	Working Session D1 (Room 7)	Technical session SMAT Gestione dei fanghi negli impianti di depurazione. Esperienze ed attività di ricerca	
		Asbestos Chair: Prof. Bonifazi, Prof. Marini	Removal/recovery, N. P Chair: Prof. Mancini, Prof. Vaccari	Algae Chair: Prof. Ficara, Prof. Riggio	Polluted sites Chair: Prof. Vagliasindi, Prof. Sethi		
09:30	09:45	8 - GROUNDWATER ASBESTOS POLLUTION FROM NATURALLY OCCURRING ASBESTOS (NDA) A FIRST ATTEMPT TO DEFINE CONCENTRATION MOBILITY AND MINERALOGY - C. Avallone, Università degli Studi di Torino	130 - FULL-SCALE TECHNOLOGIES FOR CONTINUOUS DESULFURATION AND AMMONIA STRIPPING DURING HIGH-SOLID ANAEROBIC DIGESTION OF SEWAGE SLUDGE - F. Di Capua, Università di Napoli Federico II	500 - MICROALGAL GROWTH SYSTEMS: A GLOBAL CHALLENGE - V. Riggio, Politecnico di Torino	257 - FIELD APPLICATION OF A REAGENT FOR THE ISCR AND ERD TREATMENT OF AN AQUEOUS CONTAMINATED WITH TETRACHLOROETHYLENE, DIHALOCHLOROPROPANE E. 130 - A. Leonardi, PERQVOCHEM LLC		
09:45	10:00	35 - HYPERSPECTRAL IMAGING (HSI) COUPLED WITH CHEMOMETRICS TO DETECT AND CLASSIFY ASBESTOS IN FINE PARTICLES - G. Bonifazi, Sapenza - Università di Roma	165 - WHICH NITROGEN DYNAMICS ARE BEHIND ANOXIC AMMONIUM REMOVAL IN A BIOELECTROCHEMICAL SYSTEM? - M. Cristofari, Università di Genova	23 - LONG TERM EXPERIENCES IN USING MICROALGAL IN WASTEWATER TREATMENT UNDER SUBOPTIMAL CLIMATIC CONDITIONS - E. Piccini, Politecnico di Milano	270 - REMEDIATION OF CHLORINATED SOLVENTS THROUGH ELECTRICAL RESISTANCE HEATING (ERH) AT AN ACTIVE INDUSTRIAL SITE - Mon. ENM Italia SpA		
10:00	10:15	221 - ASBESTOS-CEMENT AND ANGRIO-FOOD WASTES COMBINED TREATMENT - D. Spasiano, Politecnico di Bari	166 - START-UP OF A SEQUENCING BATCH REACTOR TO TREAT LEACHATE VIA NITRIFICATION DENITRIFICATION - G. Ciobetta, Università Politecnica delle Marche	190 - LIFE CYCLE ANALYSIS OF THE INTEGRATION OF A SIDE-STREAM MICROALGAL PROCESS INTO A MUNICIPAL WASTEWATER TREATMENT PLANT - L. Rigamonti, Politecnico di Milano	290 - PRELIMINARY RESULTS ON THE APPLICATION OF LIQUID ACTIVATED CARBON (LAC) AND MICROWAVE (MW) HEATING FOR ORGANIC-CONTAMINATED SOIL TREATMENTS - E. Castro, Università di Catania		
10:15	10:30	88 - THE ASBESTOP PROJECT FOR THE MAPPING OF ASBESTOS SURFACES THROUGH REMOTE SENSING - F. Desgini, Università di Modena e Reggio Emilia		193 - PLANAR PHOTOREACTOR TO ENHANCE MICROALGAE PRODUCTION AND ALLOW USE OF INDUSTRIAL NUTRIENT SOURCES - V. Costantino, Politecnico di Torino	101 - DYNAMICS AND AGGREGATION MECHANISMS OF NANO-SIZED SUPERPARAMAGNETIC PARTICLES UNDER MAGNETIC FIELD IN WATER DECONTAMINATION TREATMENTS - F. Vagliasindi, Università di Catania		
10:30	10:45	274 - ANALYSIS OF ASBESTOS IN DRINKING WATER IN ITALY - G. Zanetti, Politecnico di Torino	Discussion	Discussion	2 - GRAPHENE - A GRAPHENE BASED MATERIAL FOR THE EFFICIENT REMOVAL OF EMERGING CONTAMINANTS IN WATER - I. Aglietto, GrapheneUP SE		
10:45	11:15	Coffee break and Poster presentations					
11:15 - 13:00		Working Session A2 (Room 1)	Working Session B2 (Room 3)	Working Session C2 (Room 5)	Working Session D2 (Room 7)	Side event 1 - LCA (Room 9) LCA applied to recovery of high-quality recycled materials	
		Waste 1 Chair: Prof. Panepinto, Prof. Rada	Green Economy Chair: Prof. Fantilli, Prof. Lavagnolo	Fermentative processes in waste and wastewater sectors Chair: Prof. Polettini, Prof. Papino	Bio and microplastic chair: Prof. Tartari, Prof. Traferri		
11:15	11:30	304 - THE LOMBARDY REGION AND POTENTIAL SCENARIOS FOR THE VALORIZATION OF MUNICIPAL SOLID WASTE - R. Vahdatshahi, Università di Brescia	208 - UTILIZATION OF POLYMERS IN EAF: A FRUITFUL EXAMPLE OF CIRCULARITY - D. Sartori, COPELPA	283 - BIOELECTROCHEMICAL PRODUCTION OF HYDROGEN AND ELECTRICITY FROM ORGANIC WASTE - T. Zonta, Università di Roma La Sapienza	13 - REVIEW ON METHODS FOR MICROPLASTICS SAMPLING, CHARACTERIZATION AND QUANTIFICATION IN WASTEWATER AND SEWAGE SLUDGE - M. Scavone, Università di Roma La Sapienza		
11:30	11:45	94 - FROM WASTE TO LAND REHABILITATION: EXPLOITATION OF MINERAL WASTE FINE FRACTION TO PRODUCE CULTIVABLE SUBSTRATES - E. Padovan, Università di Torino	269 - UNIFIED MANAGEMENT IN CONSTRUCTION SECTOR: THE REPAIR FACTOR FOR IMPROVING RESOURCE EFFICIENCY - A. Luciano, ENEA	72 - OPTIMIZATION OF ACETATE PRODUCTION FROM FERMENTATION OF CITRUS WASTEWATER: EFFECTS OF PH, NUTRIENTS RATIO AND INITIAL COD CONCENTRATION - S.B. Costano, Università di Palermo	102 - BIODEGRADATION OF POLYLACTIC ACID-BASED DISPOSABLE ITEMS UNDER ANAEROBIC CONDITIONS - M. Falzarano, Università di Roma La Sapienza		
11:45	12:00	501 - AN OVERVIEW OF MOHJ THERMAL TREATMENT AND THE ANALYSIS OF THE TURIN INCINERATION PLANT - D. Panepinto, Politecnico di Torino	291 - CARBON DIOXIDE DRY ICE PELLETS AS ADDITIVE OF CEMENT-BASED PASTES AND MORTARS - A. Farilli, Politecnico di Torino	7 - USE OF SHEEP CHEESE WHEY FOR PHA AND BIO - H2 PRODUCTION - F. Auro, Università di Cagliari	3 - ASSESSMENT OF MICROPLASTIC IN DRINKING WATER - C. Alani, Università Politecnica di Valencia		
12:00	12:15	4 - MESH MANAGEMENT CRITERIA FROM TWO ITALIAN MOUNTAINOUS REGIONS - E.C. Rizzo, Università dell'Insubria	75 - CARBONATION OF ALKALINE WASTE AS A CO2 UTILIZATION TREATMENT TO OBTAIN PRODUCTS WITH IMPROVED TECHNICAL AND ENVIRONMENTAL PROPERTIES - G. Costa, Università di Roma Tor Vergata	179 - HIGH YIELD HYDROGEN PRODUCTION FROM BIOETHANOL VIA PHOTO FERMENTATION - G. Polcastro, Università di Napoli Federico II	147 - EMERGING MICROPOLLUTANTS AND MICROPLASTICS IN WATER CYCLE: A FOCUS ON THE STATE OF KNOWLEDGE IN LOMBARDY - G. Tartari, Politecnico di Milano		
12:15	12:30	103 - HYDROTHERMAL CARBONIZATION OF HEMP DIGESTATE - G. Fanni, Università di Cagliari	316 - THE ROLE OF SUSTAINABLE LANDFILL IN THE CIRCULAR ECONOMY FRAMEWORK - M. Lavagnolo, Università di Padova	155 - ANAEROBIC DIGESTION AS A PLATFORM FOR NITROGEN RECYCLING AND CARBON CAPTURE BY MEANS OF HYDROGEN-OXIDIZING BACTERIA: A CASE STUDY - G. Massaro, Università di Napoli Federico II			
12:30	12:45		260 - A WATER-WASTE-ENERGY NEXUS APPROACH TO BRIDGE THE SUSTAINABILITY GAP IN THE SOUTH MEDITERRANEAN REGIONS - G. Mancini, Università di Catania	178 - BIO-H2 PRODUCTION FROM CHEESE WHEY AND WASTEWATER SLUDGE IN SEM-CONTINUOUS SYSTEMS - A. Palletti, Università di Roma La Sapienza			
12:45	13:00	Discussion	Discussion	Discussion	Discussion		
13:00	14:00	Light lunch and Poster presentations					
14:00 - 15:45		Working Session A3 (Room 1)	Working Session B3 (Room 3)	Working Session C3 (Room 5)	Side event 2 (Room 7)	Side event 3 (Room 9)	
		Waste 2 Chair: Prof. Raga, Prof. Bengini	Air pollution, prevention and control Chair: Prof. Cernuschi, Dr Ravina	WWTP assessment and improvement. Chair: Prof. Ruffino, Prof. Corsino	Economia circolare: opportunità e responsabilità	Strumenti per favorire il risanamento e la rigenerazione di siti contaminati e aree degradate	
14:00	14:15	186 - OPPORTUNITIES AND LIMITS OF LANDFILL MINING FOR THE SUSTAINABLE MANAGEMENT OF OLD LANDFILLS - R. Raga, Università di Padova	64 - EXPERIMENTAL CHARACTERIZATION OF ULTRAFINE AND NANOPARTICLES FROM A CLINICAL WASTE INCINERATOR - G. Cernuschi, Politecnico di Milano	63 - REVAMPING OF THE WASTEWATER TREATMENT PLANT IN SANNAZZARO REFINERY - S. Cattaneo, Golden Associates Srl			
14:15	14:30	301 - STEEL SLAG PRODUCTION AND RECOVERY AS CONSTRUCTION MATERIAL IN THE PROVINCE OF BRESCIA: A SYSTEMIC EVALUATION THROUGH MASS FLOW ANALYSIS - A. Piemont, Università di Brescia	294 - IMPACT ASSESSMENT OF MERCURY EMISSIONS FROM A WTE PLANT: DISPERSION MODELLING VS. FIELD MEASUREMENTS - G. Lonzi, Politecnico di Milano	160 - COMBINED ULTRASOUND-OZONE TREATMENT FOR REUTILIZATION OF A PRIMARY EFFLUENT - A. Moretti, Università di Udine			
14:30	14:45	289 - UNDERSTANDING VARIABILITY IN RECYCLED AGGREGATE LEACHING PROPERTIES THROUGH STATISTICAL EVALUATION - A. Dioti, Università di Brescia	290 - ADVANCED TECHNOLOGIES IN ENVIRONMENTAL ODOUR MONITORING - T. Zonta, Università di Salerno	167 - EVALUATION OF MICROPOLLUTANT LOAD OF AN INDUSTRIAL WASTEWATER TREATMENT PLANT EFFLUENT AND IMPACT ON THE RECEIVING RIVER - D. Daddi, Università di Firenze			
14:45	15:00	170 - CHAR PRODUCTION FROM SEWAGE SLUDGES FOR CARBON DIOXIDE REMOVAL - D. Paparelli, Politecnico di Torino	12 - MODELLING OF THE AIR QUALITY INSIDE A BIG CITY AT A VERY FINE SCALE - D. Barbero, Politecnico di Milano	279 - MERGING DIFFERENT CONTRIBUTIONS TO THE CARBON FOOTPRINT OF WASTEWATER TREATMENT - R. Bolocchini, Università di Brescia			
15:00	15:15	158 - A STUDY ON THE RE-USE OF PLASTIC WASTE FROM WEEE AS SUBSTITUTENT OF AGGREGATES IN MORTARS - A. Merlo, Politecnico di Torino	188 - ENVIRONMENTAL AND HEALTH IMPACT ASSESSMENT OF DISTRICT HEATING NETWORKS IN SIX ITALIAN CITIES - M. Ravina, Politecnico di Torino	98 - CHARACTERIZATION OF WASTEWATERS PRODUCED BY WATER TREATMENT PLANTS AND IDENTIFICATION OF SUITABLE TREATMENTS - I. Ducci, Università di Firenze			
15:15	15:30	5 - HYDROTHERMAL CARBONIZATION SCENARIOS FOR SEWAGE SLUDGE REDUCTION AND NUTRIENTS RECOVERY - D. Sorice, Università di Trento	31 - AIR QUALITY ANALYSIS BY LOWER COST SENSORS: TRAFFIC MODELLING AND ATMOSPHERIC DISPERSION MODELLING: THE TRAFAR PROJECT - A. Bigli, Università di Modena e Reggio Emilia				
15:30	15:45	Discussion	Discussion	Discussion			
15:45	16:15	Coffee break and Poster presentations					
16:15 - 18:00		Working Session A4 (Room 1)	Working Session B4 (Room 3)	Side Event 4 (Room 5)	IWA Young (Room 7)		
		Waste 3 Chair: Prof. Pivato, Prof. Ragazzi	Water, emerging pollutants Chair: Prof. Santoro, Prof. Ruffino	Evoluzione del sistema tariffario nel servizio idrico integrato: i diversi ruoli per il successo del PNRR	IWA Young Water Professional Launch Event		
16:15	16:30	317 - ANALYSIS OF CHEMICAL AND ECOTOXICOLOGICAL DATA FROM LEACHING TESTS OF INERT WASTES PERFORMED FOR THE ASSESSMENT OF END OF WASTE STATUS - A. Trivati, Università di Padova	91 - OCCURRENCE, SEASONAL VARIATIONS AND REMOVAL OF ORGANIC MICROPOLLUTANTS IN 76 WASTEWATER TREATMENT PLANTS - T. Cabretti, Università di Roma La Sapienza				
16:30	16:45	161 - THE SITING AND PERMITTING PROCESS OF THE TURIN NEW INCINERATION PLANT: THE ROLE OF PUBLIC ADMINISTRATION - C. Musio, Città Metropolitana di Torino	86 - REMOVAL OF CARBAMAZEPINE BY ACTIVATED CARBON AND BIOCHAR - A. Decina, Università di Roma La Sapienza				
16:45	17:00	85 - LIFE CYCLE COSTING OF CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT CHAIN - F. Carolo, Politecnico di Milano	199 - INTEGRATING AOPs AND BIOTREATMENT FOR ADVANCED WASTEWATER TREATMENT AND POTABLE REUSE: MODELLING AND EXPERIMENTAL STUDIES - D. Santoro, University of Western Ontario				
17:00	17:15	60 - BIOPATFORMA DI SESTO SAN GIOVANNI - A. Castorini, TSP-Partner AG	320 - OPTIMIZATION OF PHARMACEUTICAL REMOVAL IN AQUEOUS MEDIA BY OZONE PROCESS: EXPERIMENTAL AND MODELLING APPROACH BY ARTIFICIAL NEURAL NETWORK - M. Farah, Università Rovira i Virgili				
17:15	17:30	235 - EXPERIMENTAL ASSESSMENT OF PHOSPHORUS RECOVERY AND HEAVY METAL LEACHING FROM INCINERATED SEWAGE SLUDGE ASH - G. Bonazzi, Politecnico di Milano					
17:30	17:45	Discussion	Discussion				

July 1, 2021 - Day 3, Rooms I Politecnico di Torino, Corso Castelfidardo 34									
9:00 - 10:45	Working Session A5 (Room 1)		Working Session B5 (Room 3)		Working Session C5 (Room 5)		Side event 5 (Room 7) Water and waste management in developing countries	Workshop Suez (Room 9) What's new in the air? Air quality innovations & trends for urban environment	Technical session Marazzato Trattamento dei rifiuti e circular economy
	Polluted Sites new tech_1 Chair: Prof. Iannelli, Prof. Riggio		Membrane ww Chair: Prof. Belgiojano, Prof. Trafari		Modelling - WWTP Chair: Prof. Gori, Prof. Tatano				
	09:00	09:15	202 - REMEDIATION OF OIL POLLUTED WITH LINDANE WASTES BY ALKALINE ACTIVATION OF PERSULFATE AND CHLORINATED SOLVENT VAPORS IN THE UNSATURATED ZONE - D. Zingales, Università di Roma Tor Vergata	1 - THE STRONG REDUCTION OF BIOLOGICAL SLUDGE BY MEANS OF A THERMOPHILIC MEMBRANE REACTOR OPERATING WITH ALTERNATE AERATION CYCLES - A. Abbi, Università di Brescia	20 - VIRTUAL 3D DESIGN OF THE NOVEL AAA SETTLER USING ADVANCED CFD - G. Beland, Politecnico di Milano	62 - PROCEDURE FOR ADM1 INPUT VARIABLE CHARACTERIZATION OF SEWAGE SLUDGE AND SKIMMED YOGHURT IN VIEW OF CO-DIGESTION OPTIMIZATION - A. Catenacci, Politecnico di Milano			
	09:15	09:30	240 - HORIZONTAL PERMEABLE REACTIVE BARRIERS WITH ZERO VALENT IRON FOR PREVENTING UPWARD DIFFUSION OF CHLORINATED SOLVENT VAPORS IN THE UNSATURATED ZONE - D. Zingales, Università di Roma Tor Vergata	309 - ANALYSIS OF THE START-UP OF AN ACTIVATED SLUDGE TREATMENT PLANT INTEGRATED WITH MABR TECHNOLOGY - F. Corsino, Università di Palermo	190 - INTEGRATING ON-LINE DIFFERENTIAL TITRIMETRY AND DYNAMIC MODELLING AS INNOVATIVE ENERGY SAVING STRATEGY IN LARGE INDUSTRIAL WWTP - S. Falconi, Università di Firenze	206 - EX-SITU BIOLOGICAL BIOGAS UPGRADING: MODELLING AND SIMULATION - A. Santus, Politecnico di Milano			
	09:30	09:45	173 - APPLICATION OF A HEXAGONAL TWO-DIMENSIONAL ELECTROKINETIC PILOT SYSTEM TO MARINE SEDIMENT - R. Iannelli, Università di Pisa	104 - NOVEL STRATEGIES TO REMOVE EMERGING COMPOUNDS IN ANAEROBIC MEMBRANE BIOREACTORS FOR SAFE REUSE OF PERMEATE IN AGRICULTURE - A. Foglia, Università Politecnica delle Marche	123 - TRACER TESTS TO ASSESS THE HYDRODYNAMIC BEHAVIOUR OF BIOLOGICAL TANKS AND ENHANCE THE WFFS EFFICIENCY - S. Gori, Università di Firenze	128 - A MATHEMATICAL MODEL TO ASSESS THE HETEROTROPHIC GROWTH SUPPORTED BY SOLUBLE MICROBIAL PRODUCTS IN A SULFUR-BASED AUTOTROPHIC DENTRIFICATION SYSTEM - G. Guerrero, Università di Napoli Federico II			
09:45	10:00	303 - TREATMENT OF PETROLEUM-CONTAMINATED SOILS USING NOVEL RHAMNOLPND PRODUCED ON WHEAT RESIDUES: A GREEN APPROACH WITHIN THE CIRCULAR ECONOMY FRAMEWORK IN ITALY - M. Vaccaro, Università di Brescia	162 - EMERGING CONTAMINANT REMOVAL AND QUORUM SENSING CONTROL IN AN HYBRID ELECTRO-SELF-FORMING DYNAMIC ENCAPSULATED BIOMEMBRANE REACTOR - V. Naddeo, Università di Salerno	122 - A MATHEMATICAL MODEL TO ASSESS THE HETEROTROPHIC GROWTH SUPPORTED BY SOLUBLE MICROBIAL PRODUCTS IN A SULFUR-BASED AUTOTROPHIC DENTRIFICATION SYSTEM - G. Guerrero, Università di Napoli Federico II					
10:00	10:15		61 - ADVANCED WASTEWATER TREATMENT THROUGH THE COMBINATION OF SELF-FORMING DYNAMIC ENCAPSULATED BIOMEMBRANE WITH ELECTRO MBR - V. Belgiojano, Università di Salerno						
10:15	10:30								
10:30	10:45	Discussion		Discussion		Discussion			
10:45	11:15	Coffee break and Poster presentations							
11:15 - 13:00	Working Session A6 (Room 1)		Working Session B6 (Room 3)		Working Session C6 (Room 5)		Side event 5 (Room 7) Water and waste management in developing countries	Workshop Siad (Room 9)	Riunione ANDIS (Room 11)
	Polluted Sites (Risk analysis, Monitoring) Chair: Prof. Costa, Prof. Sethi		WWTP_new tech Chair: Prof. Torregrossa, Prof. Naddeo		Waste_Biological treatments Chair: Prof. Calabrò, Dr Campo				
	11:15	11:30	10 - USING LOW-DENSITY POLYETHYLENE FILMS FOR QUANTITATIVE PASSIVE SOIL GAS SAMPLING OF BTEX AND CHLORINATED SOLVENTS - R. Baciocchi, Università di Roma Tor Vergata	6 - HETEROGENEOUS-FENTON PROCESS OVER Cu/ZnO ₂ FOR ENHANCED LIQUID WASTE TREATMENT - S. Hussain, Università di Lodi	41 - INTEGRAL BIOREFINING OF ORANGE PEEL WASTE: FIRST RESULTS - F. Fazzino, Università Mediterranea di Reggio Calabria	109 - BIOLOGICAL STABILITY OF MIXED WASTE COLLECTED IN HIGHLY EFFICIENT SEPARATE COLLECTION SYSTEMS - P. Calabrò, Università Mediterranea di Reggio Calabria			
	11:30	11:45	76 - APPLICATION OF A GIS BASED DATABASE AND EXPOSURE MODELS TO SUPPORT THE CHEMICAL RISK ASSESSMENT OF WORKERS ON CONTAMINATED SITES - S. Costantini, Università degli Studi di Modena e Reggio Emilia	54 - TREATMENT OF REAL WASTEWATERS AND GROUNDWATERS BY HYDROELECTROCATALYSIS - M. Carnevale Miro, Università di Pavia	50 - BIOLOGICAL STABILITY EVALUATION OF MUNICIPAL SOLID WASTE ORGANIC FRACTION BY MEANS OF RESPIROMETRIC AND GERMINATION TESTS - D. Di Trapani, Università di Palermo	195 - EFFECTS OF ORGANIC LOADING RATE ON VOLATILE FATTY ACIDS PRODUCTION FROM DRY-ANAEROBIC DIGESTION OF ORGANIC FRACTION OF MUNICIPAL SOLID WASTE - E. Rossi, Università di Pisa			
	11:45	12:00	14 - APPLICABILITY LIMITATIONS AND UNCERTAINTIES ASSOCIATED WITH THE RADON DETECTOR TECHNIQUE AS A TOOL TO CHARACTERISE SITES AFFECTED BY ORGANIC POLLUTANTS - F. Barro-Parra, Universidad Politécnica de Madrid	146 - COINATION AS A SUSTAINABLE TREATMENT FOR PULP AND PAPER WASTEWATER - M. Manaresi, Università di Udine	172 - COMPARISON OF BIOLOGICAL STABILITY INDEX OF SEVERAL SUBSTRATES USING DIFFERENT RESPIROMETRIC METHODS - I. Percec, Università di Pisa	226 - BMP EVALUATION OF INTERMEDIATE AND FINAL OUTPUTS FROM BIOSTABILIZATION MBT - F. Tavano, Università di Urbino "Carlo Bo"			
12:00	12:15	83 - NATURAL SOURCE ZONE DEPLETION (NSZD) ASSESSMENT IN CONTAMINATED SITES BY HYDROCARBONS: APPROACH BASED ON MULTIPLE LINES-OF-EVIDENCE - I. Iadi, Geolier Associates Srl	186 - EXTRACELLULAR POLYMERIC SUBSTANCES RECOVERED FROM BIOFILM-BASED SYSTEMS AS NEW BIOSORBENT FOR HEAVY METALS REMOVAL - B. Pugliese, Università di Firenze						
12:15	12:30		275 LAYER WATER TREATMENT WITH SEQUENCING BATCH REACTOR - F. Corsino, Università di Palermo						
12:30	12:45								
12:45	13:00	Discussion		Discussion		Discussion			
13:00	14:00	Light lunch and Poster presentations							
14:00 - 15:45	Working Session A7 (Room 1)		Working Session B7 (Room 3)		Working Session C7 (Room 5)		Side event 6 (Room 7) Remind project: Mining Sustainability	Side event 7 (Room 9) Gestione impianti di depurazione e potabilizzazione	Riunione GITISA (Room 11)
	Polluted Sites new tech_2 Chair: Dr. Casasso, Prof. Di Trapani		WWTP_new tech Chair: Prof. Eusebi, Prof. Papiro		Drinking Water_1 Chair: Prof. Pedrazzani				
	14:00	14:15	30 - OPTIMIZATION OF THE DELIVERY OF IRON BASED NANOPARTICLES FOR GROUNDWATER REMEDIATION - C. Bianco, Politecnico di Torino	189 - DESALINATION AND RECOVERY OF OIL FIELD PRODUCTION WATER BY INNOVATIVE TREATMENT TRANS - F. Ricci, Politecnico di Torino	116 - VOLCANIC ASH AS RAW MATERIAL FOR THE SYNTHESIS OF ZEOLITE: APPLICATION ON WATER TREATMENT FOR CONTAMINANTS REMOVAL - E. Gagliano, Università di Catania	56 - BIO-ELECTRICITY DRIVEN TREATMENT OF HIGH SALINITY GROUNDWATER CONTAMINATED WITH NITRATES - A. Cannico, Università di Cagliari			
	14:15	14:30	156 - COINATION APPLICATION AS PRE- AND POST-TREATMENT COMBINED WITH BIODEGRADATION FOR THE REMOVAL OF DIESEL OIL FROM CONTAMINATED SOILS - S. Mazzone, Università degli Studi della Basilicata	300 - OZONE TERTIARY TREATMENT FOR PHARMACEUTICALS AND PERSONAL CARE PRODUCTS REMOVAL FROM MUNICIPAL WASTEWATER - E. Paneretti, SMD SpA	256 - OPTIMIZATION OF THE WATER TREATMENT PROCESS IN A PIEDMONT WINE-ERY - A. D'Amico, Politecnico di Torino	141 - WATER SAFETY PLANS AND WATER TURBIDITY: A KEY FACTOR FOR RISK ASSESSMENT EVALUATION - C. Lubello, Università di Firenze			
	14:30	14:45	283 - BENCH-SCALE MICROCOSM TREATABILITY STUDIES FOR EVALUATING A WOOD MULCH-BASED AMENDMENT AS AN ELECTRON DONOR FOR COMPLETE REDUCTIVE DECHLORINATION - A. Battaglia, ERM	287 - INNOVATIVE URBAN WASTEWATER TREATMENT PROJECT FOR 400 HOUSEHOLDS, INCLUDING WATER, BIOMETHANE ENERGY RECOVERY (RumLife and NEREUS) - B. De Gussemè, Ghent University	185 - 11 - STEPS APPROACH TOWARDS REMEDIATION CONCEPT FROM DRINKING WATER PERSPECTIVE FOR DIVERSE POLLUTANTS IN FUNCTIONAL URBAN AREA - J. Prestor, GEOZS				
14:45	15:00	124 - FEASIBILITY OF BIOREMEDIATION TECHNIQUES FOR HYDROCARBONS CONTAMINATED SOILS AT MICROCOSM SCALE - D. Di Trapani, Università di Palermo	219 - STUDY OF THE DIGESTATE AS AN INNOVATIVE AND LOW-COST ADSORBENT MATERIAL USED IN THE REMOVAL OF DYES IN WASTEWATER - S. Yao, Università di Napoli Federico II						
15:00	15:15	284 - GROUNDWATER FLOW MODEL TO UNDERSTAND THE GROUNDWATER CIRCULATION WILL BOTH FROM WATER BALANCE AND FLOW DIRECTION POINT OF VIEW - A. Battaglia, ERM	108 - NORMALIZED MEASUREMENT OF CARBON FOOTPRINT IN FULL-SCALE WASTEWATER TREATMENT PLANTS - A.L. Eusebi, Università Politecnica delle Marche						
15:15	15:30		225 - POWDERED ACTIVATED CARBON AS A TERTIARY TREATMENT FOR PHARMACEUTICALS AND POLYCYCLIC MUSK FRAGRANCES REMOVAL FROM DOMESTIC WASTEWATERS - B. Cantoni, CIVIPURSA	27 - REMOVAL OF PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES (PFAS) FROM GROUNDWATER: THE REAL CASE OF LONGO PLANT (VENETO REGION) - R. Pedrazzani, Università di Brescia					
15:30	15:45	Discussion		Discussion		Discussion			
15:45	16:15	Coffee break and Poster presentations							
16:15 - 18:00	Working Session A8 (Room 1)		Working Session B8 (Room 3)		Working Session C8 (Room 5)		Side event 6 (Room 7) Remind project: Mining Sustainability	Side event 7 (Room 9) Gestione impianti di depurazione e potabilizzazione	Riunione GITISA (Room 11)
	Polluted Sites_applied cases Chair: Prof. Baciocchi, Dr. Casasso		Biological waste treatments Chair: Prof. Cesaro, Prof. Panepinto		Drinking Water_2 Chair: Dr. Domini, Prof. Sorlini				
	16:15	16:30	175 - REDUCING GASES FOR IN-SITU BIODEGRADATION OF AQUIFER CONTAMINATED BY CHLORINATED SOLVENTS: A CASE STUDY WITH FIELD TEST AND MICROCOSM LABORATORY TEST - M. Peroni, SMD SpA	66 - THE SUSTAINABLE USE OF COMPOST FROM ORGANIC SOLID WASTE: TECHNICAL STRATEGIES AND RESEARCH EXPERIENCES - A. Cesaro, Università degli studi di Napoli "Federico II"	117 - AN OVERVIEW ON WATER TREATMENT TECHNOLOGIES FOR THE REMOVAL OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS): CURRENT GAPS AND RESEARCH NEEDS - E. Gagliano, Università di Catania	220 - PERFORMANCE ASSESSMENTS OF DRINKING WATER SUPPLY SYSTEMS WHICH IS THE ROLE IN WATER SAFETY PLAN TO IMPROVE THE RISK MANAGEMENT - S. Sorlini, Università di Brescia			
	16:30	16:45	229 - TRADITIONAL TECHNOLOGY WITH INNOVATIVE AND SUSTAINABLE APPROACH FOR GROUNDWATER REMEDIATION OF A FORMER CHEMICAL PLANT - C. Thea, Geolier Associates Srl	125 - ASSESSING THE ROLE OF THE TYPE OF COLLECTION BAG IN THE MANAGEMENT OF FOOD WASTE - M. Grosso, Politecnico di Milano	218 - CHEMICAL DENTRIFICATION THROUGH ZERO-VALENT MAGNESIUM PARTICLES - G.M. Corcos, Università della Calabria	202 - PRELIMINARY INVESTIGATION ON MICROWAVE REGENERATION OF GRANULAR ACTIVATED CARBON SATURATED WITH PFAS - E. Gagliano, Università di Catania			
	16:45	17:00	276 - FIRST IN-SITU TREATMENT OF A PFAS PLUME IN EUROPE USING DIRECT PUMP INJECTION OF COLLIDAL ACTIVATED CARBON - M. Donati, Regensas	184 - ANALYSES OF METHANOGENIC POPULATION AS KEY INDICATOR FOR ANAEROBIC DIGESTION: THE CASE-STUDY OF ACETA FIMERLOSE INDUSTRIALE - V. Negro, ACFA (Indepress Industrie SpA)	96 - EFFICACY OF CLEANING TO REDUCE BIOFILMS ON WATER TREATMENT CONTAINERS AND TAPS - M. Domini, Università di Brescia				
17:00	17:15	57 - BOREHOLE HEAT EXCHANGERS: A POTENTIAL TRIGGER FOR AQUIFER CROSS-CONTAMINATION? - A. Casasso, Politecnico di Torino	312 - BIOENERGY FROM GREEN WASTE THROUGH ANAEROBIC DIGESTION: SUBSTRATE, BIOGAS AND DIGESTATE CHARACTERISATION AT LAB-SCALE - A. Falco, University of Urbino "Carlo Bo"						
17:15	17:30		169 - STRATEGIES TO ENHANCE THE BIOMETHANE POTENTIAL OF NEMO BIOMASS - S. Pagno, Università di Napoli Federico II						
17:30	17:45		45 - EFFICIENT CARBON, NITROGEN AND PHOSPHORUS REMOVAL FROM LOW CN REAL DOMESTIC - T. Loib, Università di Firenze						
17:45	18:00	Discussion		Discussion		Discussion			

July 2, 2021 - Day 4 , AULA MAGNA Politecnico di Torino, Corso Duca degli Abruzzi 24	
9:00 - 10:45	Working Session A9 (Aula Magna) Climate Change Chair: Prof. Lalo
09:00 - 9:15	53 - AN AUTOMATED AND SELF-MOVING PROTOTYPE FOR GHGs EMISSION AND AERATION EFFICIENCY ASSESSMENT IN WRRFS - C. Caretti, <i>Università di Firenze</i>
09:15 - 9:30	26 - ORGANISATION ENVIRONMENTAL FOOTPRINT (OEF) ASSESSMENT OF WASTEWATER TREATMENT PLANTS: THE ROLE OF BIOASSAYS - G. Bertanza, <i>Università di Brescia</i>
09:30 - 9:45	44 - LIFE CYCLE ASSESSMENT OF AN INNOVATIVE CARBON DIOXIDE REMOVAL PROCESS - F. Campo, <i>Politecnico di Milano</i>
09:45 - 10:00	32 - SUPPORTING TWO MAJOR ITALIAN ENERGY COMPANIES IN IMPROVING SUSTAINABILITY PERFORMANCE OF THEIR OPERATIONS - E. Bobbio, <i>Golder Associates Srl</i>
10:00 - 10:15	51 - SWOT ANALYSIS AND RESILIENCY STUDY ABOUT INTEGRATED WATER CYCLE OF LIVORNO ENI R&M OIL REFINERY - A. Capriati, <i>Golder Associates Srl</i>
10:15 - 10:30	Discussion
10:30 - 11:30	KEYNOTE Prof. Giuseppe Bonifazi, Università di Roma La Sapienza. "Waste recovery in a circular economy perspective"
11:30 - 11:45	Meeting Conclusions, Prof. Gaspare Viviani, President of GITSA
11:45 - 12:10	Prof. Giuseppe Genon Memories, Prof. Deborah Panepinto, Politecnico di Torino Giuseppe Genon AWARD for young researchers
12:10 - 12:25	SIDISA2021 Symposium Conclusions Prof. Mariachiara Zanetti, Politecnico di Torino
12:25 - 13:00	Politecnico chours exhibition: "We are the earth"