

Plenary conferences				
Code		First Name:	Last Name:	Participation:
PL1	1	Gianluca	Li Puma	Oral
PL2	2	María	Bernechea	Oral
PL3	3	Mohamad	El-Roz	Oral
Special Talks				
		First Name:	Last Name:	Participation:
IT01	SN	Gianluca	Li Puma	Oral
IT02	SN	Pamela	Fuentes Appelgren	Oral
ESS				
		First Name:	Last Name:	Participation:
ESS01-B	4	Luis	Silva-Llanca	Oral
ESS02-B	5	Andrea	Torrejón	Oral
ESS03-B	6	Eduardo	Sepúlveda	Oral
ESS04-B	7	Felipe	Díaz	Oral
ESS05-B	8	Jean	d'Alencon	Oral
ESS06-B	9	Maykol	Reinoso	Oral
ESS07-B	10	Diego	Rivera	Oral
ESSP01	11	Mauro Alexi	Henriquez Heimpeller	Poster

		OM		
		First Name:	Last Name:	Participation:
OM01-A	12	Gina	Hincapié-Mejía	Oral
OM02-A	13	Rocío	Cozmar	Oral
OM03-A	14	Mauricio	Gómez	Oral
OM04-A	15	Mohammad	Ashfaq	Oral
OM05-A	16	Neetu	Talreja	Oral
OM06-A	17	Nicole	Espinoza	Oral
OMP-01	18	Francisca	Luco-Castro	Poster
OMP-02	19	Norma	Perez	Poster
		REC		
		First Name:	Last Name:	Participation:
REC01-B	20	Chun-Yao	Tseng	Oral
REC02-B	21	Danilo	Carvajal	Oral
REC03-B	22	Rubén	Calvo	Oral
RECP01	23	Sonia	Montecinos	Poster

		SEC		
		First Name:	Last Name:	Participation:
SEC01-B	22	Gerardo	Cabello	Oral
SEC02-B	25	Luis Alberto	Pizarro Castillo	Oral
SECP01	26	Adriana Elizabeth	Lara Sandoval	Poster
SECP02	27	Carlos	Rodríguez	Poster
SECP03	28	Jeimy Jiseth	Moscote Guerra	Poster
		SED		
		First Name:	Last Name:	Participation:
SED01-A	29	Alberto	Bernal Díaz	Oral
SED02-A	30	Julio Alejandro	Arana Trenado	Oral
SED03-A	31	Juan Carlos	Durán Álvarez	Oral
SED04-A	32	Adriana	Mera	Oral
SED05-A	33	Juan Carlos	Durán Álvarez	Oral
SED06-A	34	Alejandro	Cabrera Reina	Oral
SED01-B	35	Pugazhenthiran	Nalandhiran	Oral
SED02-B	36	Susana	Rojas de la Fuente	Oral
SED03-B	37	Alvaro	Cuadra	Oral
SEDP01	38	Alma	Vázquez Durán	Poster
SEDP02	39	Luz	Fuentes	Poster
SEDP03	40	Nataly	Diaz Gonzalez	Poster
SEDP04	41	Nicole	Muñoz	Poster

		WMU		
		First Name:	Last Name:	Participation:
WMU01-A	42	Ricardo	Salazar	Oral
WMU02-A	43	Francisco	Tapia	Oral
WMU03-A	44	Estefania	Bonnail	Oral
WMUP01	45	Antonella	Cossio	Poster

Plenary conferences	
Code	Title
PL1	Sustainable Treatment and Reuse of Agro-Industrial Wastewaters by Advanced Oxidation Processes
PL2	Bismuth-based colloidal nanocrystals for solution-processed solar cells
PL3	The adventure of methanol molecules on irradiated photocatalyst surface as reveals the operando FTIR spectroscopy
Special talks	
Title	
IT01	Tips for publication in high impact journals.
IT02	Soluciones tecnológicas para detección de orgánicos en el tratamiento de aguas
ESS: Energy Systems and Simulation	
Title	
ESS01-B	Meteorological Assessment and Implementation of an Air-Side Free-Cooling System for Data Centers in Chile
ESS02-B	Wind Farm Fluid Dynamics Via Numerical Simulations and Wind Turbine Compact Modelling
ESS03-B	Data center thermal efficiency improvement by cooling flow vectoring using synthetic jets
ESS04-B	Numerical Simulation of Passive Refrigeration System for Photovoltaic Panels by Phase Change Materials

ESS05-B	Fluid Dynamics and Heat Transfer Generated by a Pair of Adjacent Impinging Synthetic Jets
ESS06-B	Microalgae-based biorefinery: Optimization model for biofuels production
ESS07-B	Thermal design of energy efficient passive systems for building air conditioning by phase change materials
ESSP01	LiNO ₃ Chilean as solar thermal energy storage material
	OM: Other Materials for Energy Conversion and Environmental Decontamination
	Title
OM01-A	UV / H ₂ O ₂ Process for treatment of Emerging Concern Pollutants (ECP)
OM02-A	Biosorption with chilean brown macroalgae: experiences on copper and iron biosorption by modified dead biomass on Acid Mine Drainage (AMD)
OM03-A	Functionalized mesoporous materials for metal removal
OM04-A	A novel Carbon-Metal-Polymeric composite for effective removal of chemical and biological contaminants
OM05-A	Controlled pore size distribution of phenol-formaldehyde-resin based activated carbon by using metal templating approach: High performance super-capacitors
OM06-A	Selective photocatalytic oxidation of 2-methoxyphenol on nanoparticles α -Fe ₂ O ₃ /TiO ₂ functionalized with β -cyclodextrin
OMP-01	Surface modification by self-assembled molecules: 4-aminobenzoic acid and 4-aminothiophenol onto aluminum.
OMP-02	Co-treatment and exoelectrogenic microorganisms: a strategy for remediation of old landfill leachate using Microbial Fuel Cells
	REC: Renewable Energy Conversion
	Title
REC01-B	Technology Innovation of Solar Energy: Discuss the Effect of knowledge Spillover and Collaborative Innovation
REC02-B	Solar absorption refrigeration: from theory to application
REC03-B	Energy poverty as a barrier for transition to cleaner energy sources. The case of southern cities of Chile.
RECP01	Setting module temperature of a Photovoltaic park from environmental parameters using Artificial Neural Networks

SEC: Semiconductor Materials for Energy Conversion.	
Title	
SEC01-B	An efficient method in the deposition of thin films of La ₂ O ₃ co-doped with Er / Nd and the studies of its up-conversion properties
SEC02-B	Effect of sintered temperature on BiOCl film properties with potential application in DSSCs.
SECP01	Evaluation of Pt / TiO ₂ -Nb ₂ O ₅ systems in the photocatalytic reforming of glycerol for the production of H ₂ and CH ₄
SECP02	Fabrication and characterization of BiOCl based dye-sensitized solar cell
SECP03	Development of electrodes with semiconductor materials for fuel cells based on plant-microorganism interaction
SED: Removal of water and air pollution by semiconductors	
Title	
SED01-A	Determination of the photocatalytic degradation mechanisms in ZnO, Bi ₂ O ₃ and ZnO/Bi ₂ O ₃ thin film heterojunctions under visible light
SED02-A	BiOBr and BiOBI thin films for visible photocatalytic degradation of Indigo Carmine
SED03-A	Building a Bi ₂ WO ₆ /Ag/AgBr composite to work as a Z-scheme for the photocatalytic degradation of antibiotics in water under visible light irradiation
SED04-A	Bismuth oxyiodide (BiOI)/ artificial zeolites composites with potential application in photocatalytic pre-treatment of wine industry wastewaters.
SED05-A	Removal of antibiotic compounds in water using highly (001) oriented BiOI nanofilms under visible light irradiation
SED06-A	Engineering aspects of solar photo-Fenton: process simulation as scaling-up tool
SED01-B	Ag NPs decorated ZnO nanostructures for the effective photocatalytic oxidation of pharmaceutical pollutants
SED02-B	Photocatalytic conversion of guaiacol using g-C ₃ N ₄ catalyst
SED03-B	Photocatalytic system for the treatment of fecal coliform from irrigation water in the region of Coquimbo, Chile.
SEDP01	Photocatalytic degradation of trypan blue dye using gold-doped ZnO thin films

SEDP02	Three-dimensional BiOBr nanostructures for caffeic acid photocatalytic degradation from wastewater of wine and pisco industries.
SEDP03	Bismuth oxyiodide nanostructures decorated with Gold nanoparticles (BIOBr/Au) for photocatalytic degradation of phenolic compounds from wastewater
SEDP04	Bismuth oxyiodide (BiOI) and Chilean natural zeolite composites for phenolic compounds degradation in wastewater
	WMU: Water management and Sustainable Water Usage
	Title
WMU01-A	Electrochemical Raceway Pond Reactor: Degradation of Organic Pollutants by Solar photoelectro-Fenton
WMU02-A	Fog water as a new source of water for sustainable irrigation of olive trees orchard in the Atacama Desert
WMU03-A	ZeBriDi: A new disruptive technology for Zero Brine Discharge in saltwater desalinization
WMUP01	Evaluation of coagulation-flocculation-sedimentation process for the treatment of wastewater generated by oyster culture in the Coquimbo region.