



# PROGRAM OVERVIEW

Time zone: UTC+01:00 (CET)

## Day 1: Tuesday, September 15

10:00 AM	Workshop introduction
10:30 AM	Plenary Lecture Shaobin WANG
	Session 1 – Part 1/2
11:15 AM	Keynote 1 Minghua ZHOU
11:50 AM	Oral Sessions
12:30 PM	Flash presentations
12:40 PM	Long break
	Session 1 – part 2/2
1:30 PM	Keynote 2 Marc CRETIN
2:05 PM	Oral Sessions
3:25 PM	Short break
3:45 PM	Plenary Lecture Mehmet OTURAN
	Session 2 – part 1/2
4:30 PM	Oral Sessions
5:10 PM	Flash presentations
5:20 PM	End of virtual sessions

## Day 2: Wednesday, September 16

	Session 2 – part 2/3
10:30 AM	Keynote 1 Marta PAZOS
11:05 AM	Oral Sessions
12:25 PM	Long break & Chat session with sponsors
	Session 2 - part 3/3
2:00 PM	Keynote 2 Carlos MARTINEZ-HUITLE
2:35 PM	Oral Sessions
3:15 PM	Short break
3:25 PM	Flash presentations
3:30 PM	Plenary Lecture Manuel RODRIGO
	Session 3 – part 1/4
4:15 PM	Oral Sessions
5:15 PM	Flash presentations
5:35 PM	End of virtual sessions

## Day 3: Thursday, September 17

	Session 3 - part 2/4
10:30 AM	Keynote 1 Ane URTIAGA
11:05 AM	Oral sessions
12:25 PM	Long break & Chat session with posters speakers
	Session 3 – part 3/4
1:30 PM	Keynote 2 Onofrio SCIALDONE
2:05 PM	Oral Sessions
3:45 PM	Short break
	Session 3 – part 4/4
4:00 PM	Oral sessions
5:40 PM	Concluding speech End of the Workshop 5:40 PM – 6:00 PM



# DETAILED SCIENTIFIC PROGRAM

## DETAILED PROGRAM



**Session 1:**  
Material sciences & interface studies



**Session 2:**  
(Electro)-chemical reactions & kinetics



**Session 3:**  
Electrochemical engineering & industrial applications

## REMINDER OF INSTRUCTIONS



### **Keynote lecture**

The time granted will be of 35 minutes  
(30 minutes of presentation + 5 minutes of questions/discussions)



### **Plenary lecture**

The time granted will be of 45 minutes  
(40 minutes of presentation + 5 minutes of questions/discussions)



### **Oral communication**

The time granted will be of 20 minutes  
(15 minutes of presentation + 5 minutes of questions/discussions)



### **Poster presentation**

The time granted will be of 5 minutes

Day 1: Tuesday, September 15		Day 2: Wednesday, September 16		Day 3: Thursday, September 17			
10:00 AM	<b>Workshop introduction</b>						
10:30 AM	<b>Plenary Lecture</b> Shaobin WANG			10:30 AM	<b>Session 3 - part 2/4</b>		
	Chairperson : Marc CRETIN	10:30 AM	<b>Session 2 - part 2/3</b>		Chairperson : Onofrio SCIALDONE		
		11:05 AM	Keynote 1 Marta PAZOS	11:05 AM		Keynote 1 Ane URTIAGA	
11:15 AM		<b>Session 1: Material sciences &amp; interface studies - part 1/2</b>		11:25 AM		<i>Oral Sessions</i>	
		Keynote 1 Minghua ZHOU	11:25 AM	S02-OC03 Selvendiran PERIYASAMY		11:25 AM	S03-OC04 Martín MUÑOS-MORALES
		<i>Oral Sessions</i>	11:45 AM	S02-OC04 Parminder KAUR		11:45 AM	S03-OC05 Giannis-Florjan NORRA
11:50 AM		S01-OC01 Ruimeng LI	12:05 PM	S02-OC05 Intissar GASMI		12:05 PM	S03-OC06 Clément TRELLEU
12:10 PM		S01-OC02 Flamur SOPAJ	12:05 PM	S02-OC06 Kaouther KERBOUA		12:05 PM	S03-OC07 Amina LISSANEDDINE
12:30 PM		<i>Flash presentations</i>	12:25 PM	<i>Long break &amp; Chat session with sponsors</i>		12:25 PM	<i>Long break &amp; Chat session with posters speakers</i>
12:35 PM		Poster presentation Ane URTIAGA		<b>Session 2 - part 3/3</b>			<b>Session 3 - part 3/4</b>
12:40 PM		<i>Long break</i>	2:00 PM	Keynote 2 Carlos MARTINEZ-HUITLE		1:30 PM	Keynote 2 Onofrio SCIALDONE
	Chairperson : Mehmet OTURAN	2:00 PM	<i>Oral Sessions</i>		Chairperson : Clément TRELLEU		
		2:35 PM	S02-OC07 Abdoulaye THIAM	2:05 PM		<i>Oral Sessions</i>	
1:30 PM		Keynote 2 Marc CRETIN	2:55 PM	S02-OC08 Ricardo TORRES-PALMA		2:25 PM	S03-OC08 Florymar ESCALONA-DURÁN
2:05 PM		<i>Oral Sessions</i>	3:15 PM	<i>Short break</i>		2:45 PM	S03-OC09 Davide CLEMATIS
2:25 PM		S01-OC03 SAINT-GOBAIN Industrial talk	3:25 PM	ISE Presentation Manuel RODRIGO		3:05 PM	S03-OC10 Mayra RODRIGUEZ PEÑA
2:45 PM		S01-OC04 Omotayo AROTIBA	3:30 PM	<b>Plenary Lecture</b> Manuel RODRIGO		3:25 PM	S03-OC11 Ricardo SALAZAR
3:05 PM		S01-OC05 Maria Teresa MONTAÑES		<b>Session 3: Electrochemical engineering &amp; industrial applications - part 1/4</b>		3:45 PM	S03-OC12 DE NORA Industrial Talk
3:25 PM		S01-OC06 Irma ROBLES		<i>Oral Sessions</i>			<i>Short break</i>
3:45 PM		<i>Short break</i>	4:15 PM	S03-OC01 Faidzul Hakim ADNAN			<b>Session 3 - part 4/4</b>
		Chairperson : Ane URTIAGA	4:35 PM	S03-OC02 DIACCON Industrial talk		4:00 PM	<i>Oral Sessions</i>
	4:55 PM		S03-OC03 Sergi GARCIA-SEGURA	4:20 PM	S03-OC13 SUEZ Industrial talk		
4:30 PM	<b>Plenary Lecture</b> Mehmet OTURAN			<i>Flash presentations</i>	4:40 PM	S03-OC14 Carlos ESCUDERO	
4:50 PM	<b>Session 2: (Electro)-chemical reactions &amp; kinetics - part 1/2</b>		5:15 PM	Poster presentation Didier HAUCHARD	5:00 PM	S03-OC15 Miguel HERRAIZ-CARBONE	
	<i>Oral Sessions</i>		5:20 PM	Poster presentation Marta PAZOS	5:20 PM	S03-OC16 Ángela MORATALLA	
4:30 PM	S02-OC01 Sean McBEATH		5:25 PM	Poster presentation Sean McBEATH	5:40 PM	S03-OC17 Luis A. GODÍNEZ	
4:50 PM	S02-OC02 Florence FOURCADE		5:30 PM	Poster presentation Federica PROIETTO		<b>Concluding speech</b> <b>End of the Workshop</b> <b>5:40 PM – 6:00 PM</b>	
5:10 PM	<i>Flash presentations</i>		5:35 PM	<i>End of virtual sessions</i>			
5:15 PM	Poster presentation Nihal OTURAN						
5:20 PM	Sponsor presentation HTDS						
5:20 PM	<i>End of virtual sessions</i>						



# SCIENTIFIC PROGRAM – PLENARY LECTURES

PL

PLENARY LECTURES  
SPECIAL SESSION

	Reference	Start time	Duration	Oral communication
PLENARY LECTURES	S1-PL	Day 1 10:30 AM	45'	<b><i>Nature of Carbocatalysis in Water Decontamination</i></b> <b>Shaobin Wang</b> <i>School of Chemical Engineering and Advanced Materials, The University of Adelaide, SA 5005, Australia</i>
	S2-PL	Day 1 3:45 PM	45'	<b><i>Recent Developments in Electrochemical Advanced Oxidation for Water Treatment: Process efficiency, Kinetics and Mechanism</i></b> <b>Mehmet A. Oturan, Nihal Oturan, Yoan Péchaud, Clement Trelu</b> <i>Université Paris-Est Marne-la-Vallée, Laboratoire Géomatériaux et Environnement, Marne-la-Vallée, France</i>
	S3-PL	Day 2 3:30 PM	45'	<b><i>Challenges of Electrochemical Technology in Water Reuse</i></b> <b>Manuel A. Rodrigo, P. Cañizares, J. Villaseñor, L. Rodríguez, J. Lobato, C. Sáez, F. J. Fernández-Morales, J. Llanos, C. M. Fernández-Marchante, E. Lacasa</b> <i>Chemical Engineering Department, Faculty of Chemical Sciences and Technologies, University of Castilla-La Mancha, Edificio Enrique Costa Novella, Campus Universitario, Ciudad Real, Spain</i>



# SCIENTIFIC PROGRAM – KEYNOTES LECTURES

**KL****KEYNOTES LECTURES  
SPECIAL SESSION**

Reference	Start time	Duration	Oral communication
S1-K1	Day 1 11:15 AM	35'	<b>Novel modified Electrodes for efficient degradation of Organic Pollutants by Electrochemical advanced Oxidation Processes</b> Minghua Zhou, Pei Su, Jingju Cai College of Environmental Science and Engineering, Nankai University, Tianjin, China
S1-K2	Day 1 1:30 PM	35'	<b>Anodic and cathodic materials designed as Reactive Electrochemical Membranes for the treatment of pharmaceuticals in waste water</b> Marc Cretin Institut Européen des Membrane, Université de Montpellier UMR 5635 UM-CNRS-ENSCM, Montpellier, France
S2-K1	Day 2 10:30 AM	35'	<b>Regeneration of Adsorbents by Fenton-Based Processes</b> Marta Pazos, Antón Puga, Silvia Escudero, Aida Díez, Valeria Acevedo-García, Emilio Rosales, M <sup>a</sup> Ángeles Sanromán BIOSUV research group, Centro de Investigación Tecnológico Industrial – MTI, University of Vigo Campus As Lagoas-Marcosende, Vigo, Spain
S2-K2	Day 2 2:00 PM	35'	<b>Renewable Energies driven Electrochemical Wastewater/Soil Decontamination Technologies</b> Soliu O. Ganiyu <sup>1</sup> , Carlos A. Martinez Huitle <sup>1</sup> , Elisama Vieira dos Santos <sup>1</sup> , Manuel A. Rodrigo <sup>2</sup> 1-Universidade Federal do Rio Grande do Norte, Laboratório de Eletroquímica Ambiental e Aplicada, Instituto de Química, Natal RN, Brazil 2- Chemical Engineering Department, University of Castilla-La Mancha, EdificioEnrinque Costa Novella, Campus Universitario, Ciudad Real, Spain
S3-K1	Day 3 10:30 AM	35'	<b>Enhancing the Productivity of Industrial Water Reuse Schemes by the Electrolysis of Reverse Osmosis Concentrates</b> Ane Urriaga Department of Chemical and Biomolecular Engineering. University of Cantabria Av. Los Castros, Santander. Spain
S3-K2	Day 3 1:30 PM	35'	<b>Electrochemical advanced Oxidation Processes – Utilization of Innovative Processes and Reactors</b> Onofrio Scialdone Dipartimento di Ingegneria, Università degli Studi di Palermo Viale delle Scienze, Palermo

KEYNOTES LECTURES



# SCIENTIFIC PROGRAM - ORAL COMMUNICATION

DAY 1: Tuesday, September 15

OS1

ORAL SESSION 1  
DAY 1: Tuesday, September 15

Material sciences & interface studies

Reference	Start time	Duration	Oral communication
S1-CO1	11:50 AM	20'	<p><b>Degradation of Bisphenol a under visible Light with Activation of Peroxydisulfate by using ZnFe<sub>2</sub>O<sub>4</sub> made from spent Batteries</b> Lin Heng, Ruimeng Li, Hui Zhang Department of Environmental Science and Engineering, Wuhan University, Wuhan, China</p>
S1-CO2	12:10 PM	20'	<p><b>Degradation and Mineralization of the antibiotic Sulfamethazine by Electro-Fenton Process Using Different Cathode Materials</b> Flamur Sopaj<sup>1,2</sup>, Nihal Oturan<sup>2</sup>, Jean Pinson<sup>3</sup>, Fetah Podvorica<sup>1</sup>, Mehmet Oturan<sup>2</sup> 1-Chemistry Department of Natural Sciences Faculty, University of Prishtina St. "Nëna Tereze" No. 5, Prishtina, Kosovo 2-Université Paris-Est, Laboratoire Géomatériaux et Environnement (EA 4508), UPEM, Marne-la-Vallée, France 3-Université de Paris Diderot, Sorbonne Paris Cité, ITODYS, CNRS, UMR 7086, Paris, France</p>
S1-CO3	2:05 PM	20'	<p><b>Titanium Suboxide Electrodes with Tunable Porosity for the Treatment of Refractory Molecules in Water</b> Stéphane Raffy<sup>1</sup>, Matthieu Rivallin<sup>2</sup>, Geoffroy Lesage<sup>2</sup>, Marc Cretin<sup>2</sup>, Pierre Magnes<sup>3</sup>, Jean-Christophe Lasserre<sup>3</sup> 1-Saint-Gobain CREE, Saint-Gobain Recherche Provence, Cavaillon, France 2-Institut Européen des Membranes (IEM), Université Montpellier II - Sciences et techniques, CNRS UMR5635, Ecole Nationale Supérieure de Chimie de Montpellier, Montpellier, France 3-Firmus, Clermont l'Herault, France</p>
S1-CO4	2:25 PM	20'	<p><b>A dual Photoelectrocatalytic System of Ag-BiVO<sub>4</sub>/BiOI (Anode) and Ag-BiOI (cathode) for the Degradation of Antibiotics in Water</b> Omotayo Arotiba<sup>1,2</sup>, Benjamin Orimolade<sup>2</sup> 1-Department of Chemical Sciences, University of Johannesburg, South Africa 2- Centre for Nanomaterials Science Research, University of Johannesburg, South Africa</p>

ORAL SESSION 1	S1-CO5	2:45 PM	20'	<p><i>Study of Different Electrodes to perform an Electro-Fenton Process for Treating Wastewater Containing Non-biodegradable Organic Pollutants</i></p> <p>Maria Teresa Montañés Sanjuan, Montserrat García Gabaldón, Jordi Carrillo Abad, Alba Sifre Alcantarilla, Valentín Pérez Herranz</p> <p>Universitat Politècnica de Valencia, Camino de Vera, Valencia, Spain</p>
	S1-CO6	3:05 PM	20'	<p><i>Correlation Between the Chemical Features of the Surface of Activated Carbon Obtained from Agroindustrial Residues and its Electrochemical Activity Towards Oxygen Reduction</i></p> <p>Irma Robles, A. K. Ortíz, Luis A. Godínez</p> <p>Centro de Investigación y Desarrollo Tecnológico en Electroquímica (CIDETEQU), Parque Tecnológico Querétaro Sanfandila, Pedro Escobedo, Querétaro, México</p>

## OS2

ORAL SESSION 2  
DAY 1: Tuesday, September 15

Material sciences & interface studies

	Reference	Start time	Duration	Oral communication
ORAL SESSION 2	S2-CO1	4:50 PM	20'	<p><i>Electro-Oxidation of Ambient Raw Water Iron (<math>Fe^{2+}</math>) for the Generation of Ferrate Oxidant: Kinetics and Mechanism</i></p> <p>Sean Mcbeath<sup>1</sup>, David Wilkinson<sup>2</sup>, Nigel Graham<sup>1</sup></p> <p>1-Imperial College London, Department of Civil and Environmental Engineering, London, United Kingdom</p> <p>2-University of British Columbia, Department of Chemical &amp; Biological Engineering, Canada</p>
	S2-CO2	5:10 PM	20'	<p><i>Pollutants Dehalogenation Prior to Electro-Fenton Oxidation. Influence on the By-Products Biodegradability – Feasibility of Coupling with a Biological Treatment</i></p> <p>Florence Fourcade<sup>1</sup>, Yaoyin Lou<sup>1,2</sup>, Isabelle Soutrel<sup>1</sup>, Abdeltif Amrane<sup>1</sup>, Florence Geneste<sup>2</sup></p> <p>1-Univ Rennes, Ecole Nationale Supérieure de Chimie de Rennes, CNRS, ISCR – UMR6226, Rennes, France</p> <p>2-Univ Rennes, CNRS, ISCR– UMR 6226, Rennes, France</p>

Reference	Start time	Duration	Oral communication
<b>S2-CO3</b>	11:05 AM	20'	<p><b>Study on removal of florfenicol in aqua via advanced electro-oxidation system and the reaction by-products</b>  <i>Selvendiran Periyasamy<sup>1</sup>, Lihua Lan<sup>1</sup>, Soliu O. Ganiyu<sup>2</sup>, Dionysios D. Dionysiou<sup>3</sup>, Dezhao Liu<sup>1</sup></i>                      1-Institute of Agricultural Bio-Environmental Engineering, College of Biosystems Engineering and Food Science, Zhejiang University Hangzhou, China                      2-Department of Civil and Environmental Engineering, University of Alberta, Edmonton, Canada                      3-Environmental Engineering and Science Program, Department of Chemical and Environmental Engineering (ChEE), University of Cincinnati Cincinnati, United States</p>
<b>S2-CO4</b>	11:25 AM	20'	<p><b>Comparative Studies of Electro-Chemical Processes for the Treatment of real Textile Wastewater</b>  <i>Parminder Kaur, Mika Sillanpää</i>                      Department of Green Chemistry, Lappeenranta-Lahti University of Technology, Finland</p>
<b>S2-CO5</b>	11:45 AM	20'	<p><b>Degradation of Emerging Pollutant Malachit Green by Galvano-Fenton Process</b>  <i>Intissar Gasmi<sup>1,2</sup>, Naoufel Haddour<sup>1</sup>, Oualid Hamdaoui<sup>2</sup>, François Buret<sup>1</sup></i>                      1-Laboratoire Ampère, École Centrale de Lyon, Écully, France                      2-Laboratoire Génie de l'Environnement, Département Génie des Procédés, Université Badji Mokhtar, Annaba, Algérie</p>
<b>S2-CO6</b>	12:05 PM	20'	<p><b>Numerical Investigation of the Galvano-Fenton Mechanism in the Absence of Organic Substrate: A Comprehensive Study</b>  <i>Kaouther Kerboua<sup>1,2</sup>, Intissar Gasmi<sup>1,3</sup>, Naoufel Haddour<sup>3</sup>, Oualid Hamdaoui<sup>1</sup></i>                      1-Laboratoire de Génie de l'Environnement, Département de Génie des Procédés, Faculté des Sciences de l'Ingénieur, Université Badji Mokhtar-Annaba, Annaba, Algérie                      2-Ecole Supérieure de Technologies Industrielles, Département de Second Cycle, Annaba, Algérie                      3-Laboratoire Ampère, École Centrale de Lyon, CNRS UMR 5005, Université de Lyon, 36 Avenue Guy de Collongue, Écully, France</p>
<b>S2-CO7</b>	2:35 PM	20'	<p><b>Treatment of Thiamphenical by Heterogeneous Electrochemical Fenton-Based Processes Using Pyrite as a Sustainable Catalyst</b>  <i>Abdoulaye Thiam<sup>1</sup>, Ignacio Sirés<sup>2</sup>, Enric Brillas<sup>2</sup></i>                      1-Universidad Tecnológica Metropolitana, Programa institucional de Fomento a la investigación, desarrollo e innovación, Santiago, Chile                      2-Laboratori d'Electroquímica dels Materials i del Medi Ambient, Dep. Química Física, Facultat de Química, Universitat de Barcelona, Martí i Franquès 1, Barcelona, Spain</p>



ORAL SESSION 2	S2-CO8	2:55 PM	20'	<p><b>Occurrence of Bacteria and Pharmaceuticals in Municipal Wastewater Effluents from Bogotá-Colombia and Their Treatment by Photo-electro-Fenton Process</b></p> <p>Ricardo A. Torres-Palma<sup>1</sup>, Diana Martínez-Pachón<sup>2</sup>, Rodrigo Echeverry-Gallego<sup>2</sup>, Efraim A. Serna-Galvis<sup>1</sup>, Ana María Botero-Coy<sup>3</sup>, Félix<sup>3</sup>, José Miguel Villareal<sup>2</sup>, Alejandro Moncayo-Lasso<sup>2</sup></p> <p>1-Grupo de Investigación en Remediación Ambiental y Biotecnología (GIRAB), Instituto de Química, Facultad de Ciencias Exactas y Naturales, Universidad de Antioquia UdeA, Medellín, Colombia</p> <p>2-Grupo de Investigación en Ciencias Biológicas y Químicas (GIBIQS), Facultad de Ciencias, Universidad Antonio Nariño. Bogotá, Colombia.</p> <p>3-Research Institute for Pesticides and Water (IUPA), University Jaume I, Castellón, Spain.</p>
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# OS3

## ORAL SESSION 3

DAY 2: Wednesday, September 16

Electrochemical engineering  
& industrial applications

Reference	Start time	Duration	Oral communication	
ORAL SESSION 3	S3-CO1	4:15 PM	20'	<p><b>Mineral Scaling on the Surface of Electrode during Electrochemical Advanced Oxidation Process in a Microfluidic Thin Film Reactor</b></p> <p>Faidzul Hakim Adnan<sup>1</sup>, Emmanuel Mousset<sup>1</sup>, Marie-Noëlle Pons<sup>1,2</sup></p> <p>1-Laboratoire Réactions et Génie des Procédés, Université de Lorraine, CNRS, LRGP, Nancy, France</p> <p>2- LTSER-LRGP, CNRS, Université de Lorraine, Nancy, France</p>
	S3-CO2	4:35 PM	20'	<p><b>Diamond Electrodes Recent Developments – Challenging Applications</b></p> <p>Martin Ruffer</p> <p>DiaCCon GmbH, Fürth, Germany</p>
	S3-CO3	4:55 PM	20'	<p><b>Opportunities for Nanotechnology to Enhance Electrochemical Treatment of Pollutants in Water and Industrial Wastewater</b></p> <p>Sergi Garcia-Segura<sup>1,2</sup>, Pedro J. Alvarez<sup>1,3</sup>, Dino Villagran<sup>1,4</sup>, Jaehong Kim<sup>1,5</sup>, Alec B. Nienhauser<sup>1,2</sup>, W. Shane Walker<sup>1,4</sup>, Mike S. Wong<sup>1,3</sup>, Paul Westerhoff<sup>1,2</sup></p> <p>1-Nanosystems Engineering Research Center for Nanotechnology-Enabled Water Treatment</p> <p>2-Arizona State University, Tempe, Arizona, United States</p> <p>3-Rice University, Houston, United States</p> <p>4-The University of Texas at El Paso, El Paso, Texas, United States</p> <p>5-Yale University, New Haven, Connecticut, United States</p>

Reference	Start time	Duration	Oral communication
S3-CO4	11:05 AM	20'	<b>Development of an Efficient Abatement of Chlorinated Compounds through a combined Adsorption-Electrolysis Process</b> Martín Muñoz-Morales, Cristina Sáez, Pablo Cañizares, Manuel A. Rodrigo University of Castilla-La Mancha, Ciudad Real, Spain
S3-CO5	11:25 AM	20'	<b>RGO Coated Graphite Granules as Particle Electrodes in 3D EC Reactor for the Reduction of Persistent Contaminants</b> Giannis-Florjan Norra <sup>1</sup> , Jelena Radjenovic <sup>1, 2</sup> 1-Catalan Institute for Water Research (ICRA), Scientific and Technological Park of the University of Girona, Girona, Spain 2-Catalan Institution for Research and Advanced Studies (ICREA), Barcelona, Spain
S3-CO6	11:45 AM	20'	<b>Combination of Adsorption and Electro-Fenton Processes for the Removal of Pharmaceutical Residues</b> Nadia Gadi, Clément Trelu, Nihal Oturan, Yoan Pechaud, Mehmet Oturan Laboratoire Géomatériaux et Environnement, Université Paris-Est, Marne-la-Vallée, France
S3-CO7	12:05 PM	20'	<b>New Porous Bio-Based Electrode Materials for Phenol Compounds Recovery from Olive Mill Wastewater by Electrosorption</b> Amina Lissaneddine <sup>1, 2, 3</sup> , Faissal Aziz <sup>1, 2</sup> , Emmanuel Mousset <sup>3</sup> , Marie-Noëlle Pons <sup>3</sup> , Laila Mandi <sup>1, 2</sup> 1-National Center for Research and Studies on Water and Energy (CNEREE), Cadi Ayyad University, Marrakech, Morocco 2-Laboratory of Hydrobiology, Ecotoxicology, Sanitation and Climate change (LHEAC-URAC33), Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakech, Morocco 3-Laboratoire Réactions et Génie des Procédés, Université de Lorraine CNRS UMR 7274, Nancy, France
S3-CO8	2:05 PM	20'	<b>Development of a Combined Electro-Scrubbing Processes</b> Florymar Escalona-Durán <sup>1, 2</sup> , Cristina Saez <sup>1</sup> , Manuel Rodrigo <sup>1</sup> , Carlos A. Martinez-Huitle <sup>2</sup> 1- University of Castilla - La Mancha, Department of Chemical Engineering, Spain 2- Federal University of Rio Grande do Norte, Laboratory of Environmental and Applied Electrochemistry, Ciudad Real, Spain
S3-CO9	2:25 PM	20'	<b>BDD Anodes: From Conventional Flow Cell to Solid Polymer Electrolyte System to Treat Parabens Low Conductive Solution</b> Davide Clematis, Antonio Barbucci, M. Paola Carpanese, Marina Delucchi, Giacomo Cerisola, Marco Panizza Department of Civil, Chemical and Environmental Engineering (DICCA), University of Genova, Genova, Italy

<b>S3-CO10</b>	2:45 PM	20'	<p><b>Degradation of Organic Pollutants by Ozone Electrogeneration and Integrated Advanced Oxidation Technologies</b>  Mayra Rodriguez-Peña<sup>1,2</sup>, Jose Antonio Barrios<sup>2</sup>, Carlos Eduardo Barrera-Diaz<sup>3</sup>, Javier Llanos<sup>1</sup>, Manuel A. Rodrigo<sup>1</sup></p> <p>1-Chemical Engineering Department, Faculty of Chemical Sciences and Technologies, University of Castilla-La Mancha, Ciudad Real, Spain  2-Instituto de Ingenieria, Universidad Nacional Autonoma de México, Ciudad de México, México  3-Facultad de Química, Universidad Autónoma del Estado de México, Estado de México, México</p>
<b>S3-CO11</b>	3:05 PM	20'	<p><b>Degradation of Contaminants of Emerging Concern by Solar Photoelectro-Fenton in an Electrochemical Raceway Pond Reactor</b>  Ricardo Salazar<sup>1</sup>, Sebastián Campos<sup>1</sup>, Alejandro Cabrera-Reina<sup>2</sup></p> <p>1-Laboratorio de Electroquímica Medioambiental, Universidad de Santiago de Chile  2-Laboratorio LIMZA, Universidad de Tarapacá, Arica, Chile</p>
<b>S3-CO12</b>	3:25 PM	20'	<p><b>Research and Innovation at De Nora: Electrodes and Water Technologies</b>  Andrew K. Boal</p> <p>De Nora Water Technologies, LLC, Texas, United States</p>
<b>S3-CO13</b>	4:00 PM	20'	<p><b>Removing Recalcitrant Organics using Electrochemical Technologies</b>  Yolanda Aguilera, Joaquin Suescun, Benoit Lefevre</p> <p>Suez Advanced Solution Spain, Passeig Zona Franca, Barcelona, Spain</p>
<b>S3-CO14</b>	4:20 PM	20'	<p><b>Vinasses Treatment from Tequila Production Applying Advanced Oxidation Processes</b>  Carlos J. Escudero<sup>1</sup>, Oscar O. Delgadillo<sup>1</sup>, Juan M. Peralta<sup>2</sup></p> <p>1-Department of Biotechnology and Environmental, Universidad Autónoma de Guadalajara, Zapopan, Jalisco, Mexico  2-Department of Chemistry, Universidad de Guanajuato, Cerro de la Venada s/n, Guanajuato, Mexico  3-Facultad de Química, Universidad Autónoma del Estado de México, Estado de México, México</p>
<b>S3-CO15</b>	4:40 PM	20'	<p><b>Application of MIKROZON® Electrochemical Technology to the Disinfection of Hospital Urines</b>  Miguel Herraiz-Carboné<sup>1</sup>, Manuel Gómez<sup>1</sup>, Salvador Cotillas<sup>1</sup>, Engracia Lacasa<sup>1</sup>, Cristina Sáez<sup>2</sup>, Pablo Cañizares<sup>2</sup>, Manuel A. Rodrigo<sup>2</sup></p> <p>1-Department of Chemical Engineering, School of Industrial Engineering, University of Castilla-La Mancha, Albacete, Spain  2-Department of Chemical Engineering, Faculty of Chemical Sciences and Technologies University of Castilla-La Mancha, Ciudad Real, Spain</p>
<b>S3-CO16</b>	5:00 PM	20'	<p><b>Effect of Pressure on the Electro-Fenton Process for the Removal of Drugs in Hospital Urine Effluents</b>  Angela Moratalla, Engracia Lacasa, Pablo Cañizares, Manuel A. Rodrigo, Cristina Sáez</p> <p>University of Castilla-La Mancha, Department of Chemical Engineering Enrique Costa Novella Building, Ciudad Real, Spain</p>
<b>S3-CO17</b>	5:20 PM	20'	<p><b>Advances on the Development of Electro-Fenton Based Reactors for the Disinfection of Human Wastewater</b>  Luis A. Godínez, I. Robles, J. D. García-Espinoza, F. J. Rodríguez-Valadez, A. Rodríguez, J. A. Ramírez</p> <p>Centro de Investigación y Desarrollo Tecnológico en Electroquímica, CIDETEQ, Parque Tecnológico Querétaro Sanfandila, Pedro Escobedo, Querétaro, México</p>



# SCIENTIFIC PROGRAM – POSTER COMMUNICATION

## PS1

### POSTER SESSION 1

### Material sciences & interface studies

	Reference	Poster communication
POSTER SESSION 1	S1-PO1	<b><i>Assessment of Microcrystalline and Ultrananocrystalline BDD Anodes in PFASs Water Treatment</i></b> <i>Beatriz Gómez-Ruiz, Nazely Diban, Ane Urtiaga</i> <i>Department of Chemical and Biomolecular Engineering, University of Cantabria, Santander, Spain</i>
	S1-PO2	<b><i>Fabrication and Photoelectrochemical Application of Solar Light Driven Cu<sub>2</sub>O/Ag<sub>3</sub>PO<sub>4</sub> Heterojunction in the Degradation of Emerging Pharmaceutical Pollutants</i></b> <i>Omotayo A. Arotiba<sup>1,2</sup>, Babatunde A. Koiki<sup>1</sup></i> <i>1-Department of Chemical Sciences, University of Johannesburg, South Africa</i> <i>2-Centre for Nanomaterials Science Research, University of Johannesburg, South Africa</i>

## PS2

### POSTER SESSION 2

### (Electro)-chemical reactions & kinetics

	Reference	Poster communication
POSTER SESSION 2	S2-PO1	<b><i>Effect of the Electrodes Materials on Electro-Fenton Process Efficiency During Treatment of Antibiotic para-Aminosalicylic Acid Solution</i></b> <i>Nihal Oturan<sup>1</sup>, Jiang Bo<sup>2</sup>, Clément Trelu<sup>1</sup>, M.A. Oturan<sup>1</sup></i> <i>1-Université Paris-Est Marne la Vallée, Laboratoire Géomatériaux et Environnement, Marne-la-Vallée, France</i> <i>2-Qingdao University of Technology, School of Environmental and Municipal Engineering, Qingdao, P.R. China</i>

POSTER SESSION 3	Reference	Poster communication
	S3-PO1	<p><i>Study of Electro-Fenton Regeneration of an Adsorbent, the Carbon Monolith used as Electrode Material</i>  Lionel Domergue, Meriem Sassi, Nicolas Cimetière, Sylvain Giraudet, Didier Hauchard  Institut Sciences Chimiques de Rennes, UMR CNRS 6226, École Nationale Supérieure de Chimie de Rennes, Rennes, France</p>
	S3-PO2	<p><i>Pesticide Wastewater Treatment by Synergic Electro-Catalysis Process: Cathodic Electro-Fenton and Anodic Oxidation</i>  Marta Pazos, Antón Puga, Valeria Acevedo-García, Emilio Rosales, M<sup>a</sup> Ángeles Sanromán  BIOSUV research group, Centro de Investigación Tecnológico Industrial – MTI, University of Vigo Campus As Lagoas-Marcosende, Vigo, Spain</p>
	S3-PO3	<p><i>Electrochemical Ferrate and Advanced Oxidation Coupled Process for Small and Decentralized Water Treatment Applications</i>  Sean T. McBeath<sup>1</sup>, David P. Wilkinson<sup>2</sup>, Nigel J.D. Graham<sup>2</sup>  1-Civil &amp; Environmental Engineering, Imperial College London, London, United Kingdom  2-Chemical &amp; Biological Engineering, University of British Columbia, Canada</p>
	S3-PO4	<p><i>Electrochemical Abatement of Organic Pollutants in Water by Electro-Fenton with Natural Heterogeneous Catalysts Under Pressure</i>  Aziza Hadj Ltaïef<sup>1</sup>, Federica Proietto<sup>2</sup>, Simona Sabatino<sup>2</sup>, Salah Ammar<sup>1</sup>, Abdellatif Gadri<sup>1</sup>, Alessandro Galia<sup>2</sup>, Onofrio Scialdone<sup>2</sup>  1-Electrochemistry, Materials and Environment, Faculty of Sciences of Gabes, Gabes, Tunisia  2-Dipartimento di Ingegneria, Università degli Studi di Palermo Viale delle Scienze, Palermo, Italy</p>