

# Congreso Young Water Professionals Spain 2019

12 – 15 Noviembre 2019  
Madrid, España



# Programa

BORRADOR 06/09/2019



12 noviembre - Fundación Canal	
18:30	Registro anticipado
19:00	Inauguración

13 noviembre - ETSII (UPM)	
8:30	Registro
9:00	Saludo y bienvenida
SESIÓN 1: Tecnologías Emergentes 1	
9:10	Key Note
9:30	S1.1 - Antonio Calabuig Belda
9:40	S1.2 - Yu Shen
9:50	A1.3 - Mira Sulonen
10:00	S1.4 - Leonor Ferreira
10:10	S1.5 - Mario Diaz
10:20	S1.6 - Paula García-Negueroles
10:30	Preguntas
10:45	Coffee break
SESIÓN 2: El Ciclo del Agua	
11:10	Key Note - Belén Benito Martínez - CYII
11:30	S2.1 - Ana Cruz del Álamo
11:40	S2.2 - Elena Calcerrada Romero
11:50	S2.3 - Rubén García Tirado
12:00	S2.4 - Nuria Zamorano López
12:10	S2.5 - Cecilia Dorado
12:20	S2.6 - Julia María Raez Tajuelo
12:30	Preguntas

SESIÓN 3: Tratamientos Avanzados de Depuración	
12:50	Key Note
13:10	S3.1 - Miguel Roldán
13:20	S3.2 - Sara Toja
13:30	S3.3 - Jorge Rodríguez Chueca
13:40	S3.4 - Pia Oyarzua
13:50	S3.5 - José Fernando Pérez
14:00	S3.6 - Rebecca Serna
14:10	S3.7 - Salvador Cotillas
14:20	Preguntas
14:35	Comida - Networking
TALLERES EN PARALELO	
16:00	<ul style="list-style-type: none"> <li>- Design Thinking</li> <li>- cómo hacer presentaciones dinámicas</li> <li>- Redes Sociales</li> <li>- Water Xcape Room</li> </ul>
17:15	Coffee break
17:45	<ul style="list-style-type: none"> <li>- Design Thinking</li> <li>- cómo hacer presentaciones dinámicas</li> <li>- Redes Sociales</li> <li>- Water Xcape Room</li> </ul>
Cierre de la primera sesión	
21:00	Ruta de tapas



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14 noviembre - ETSII (UPM)	
SESIÓN 4: Agua 4.0	
9:00	Key Note - Alejandro Bevide - Acciona
9:20	S4.1 - Nil Llopart Aguado
9:30	S4.2 - Eva Gómez-Llanos
9:40	S4.3 - Lluís Godo-Pla
9:50	S4.4 - Jordi Suquet
10:00	S4.5 - Darío de Frutos Subtil
10:10	S4.6 - Congcong Sun
10:20	Preguntas
10:35	Coffee break
SESIÓN 5: Economía y Gobernanza	
11:05	Key Note
11:25	S5.1 - Alejandro García Monteagudo
11:35	S5.2 - Ángela García Gil
11:45	S5.3 - Edgar Belda
11:55	S5.4 - Patricia Terrero
12:05	S5.5 - José Antonio Rodríguez de la Cruz
12:15	S5.6 - Beatriz Mayor Rodríguez
12:25	Preguntas
SESIÓN 6: Tour por los posters	
12:40	Tour posters (detalles más abajo)
13:40	Comida

SESIÓN 7: Tecnologías emergentes 2	
15:00	Key Note
15:20	S7.1 - Irene Salmerón
15:30	S7.2 - Federico Ferrari
15:40	S7.3 - Zulema Borjas
15:50	S7.4 - Samira Nahim Granados
16:00	S7.5 - Esther Mendoza
16:10	S7.6 - Engracia Lacasa
16:20	Preguntas
16:35	Coffee break
SESIÓN 8: YWPx y Mesa redonda	
17:05	YWPx - Águeda García de Durango
17:15	YWPx - Marina Arnaldos
17:25	YWPx - Francisco Pedrero
17:35	YWPx
18:00	Mesa Redonda
18:45	Conclusiones y despedida
Cierre de la segunda sesión	
21:00	Cena de gala y entrega de premios

15 noviembre	
9:00	Visitas técnicas
14:00	Fin de visitas



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## PONENCIAS

S1.1 - Computational fluid dynamics applied to large marine aquarium: hydrodynamics simulation and full-scale validation of a dolphinarium in the valencia oceanographic park - Antonio Calabuig Belda
S1.2 - Visible-light-driven activation of peroxymonosulfate for paracetamol removal via $Zn_xNi_{1-x}Fe_2O_4@BiOBr$ : degradation kinetics, byproduct and mechanism - Yu Shen
S1.3 - Comprehensive treatment of acid mine drainage with bioelectrochemical systems - Mira Sulonen
S1.4 - Suspended UVA-LEDs to Assess $TiO_2$ Photocatalysis and Photo-Fenton Processes - Leonor Ferreira
S1.5 - Assessment of strategies for the revalorization of Kraft black liquor - Mario Diaz
S1.6 - Degradation of emerging pollutants using humic like substances as iron complexing agent at mild conditions - Paula García-Negueroles
S2.1 - A novel advanced bio-oxidation system for the treatment of real wastewater and emerging contaminants based on white-rot fungi immobilized in a continuous rotating biological contactor - Ana Cruz del Álamo
S2.2 - The new sustainable stormwater management basic design guideline in the city of madrid. Application in a case of study: rain garden - Elena Calcerrada Romero
S2.3 - Multidisciplinary study of different real scale constructed wetlands based on CFD simulations and microbiological communities characterization - Rubén García Tirado
S2.4 - Primary-settled sulfate-rich sewage treatment using AnMBR technology: operational limits and microbial dynamics - Nuria Zamorano López
S2.5 - Harvesting resources from urban wastewater – three anmbr applications in atlantic, mediterranean and continental climates - Cecilia Dorado
S2.6 - Removal of arsenic from water by photocatalysis and adsorption processes using immobilized $tio_2$ and iron materials - Julia María Raez Tajuelo



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## PONENCIAS

S3.1 - Novel sludge management strategies to enhance the p-recovery before anaerobic digestion in the Murcia-Este wwtp - Miguel Roldán

S3.2 - Localization of hydrolytic activity in aerobic granular sludge - Sara Toja

S3.3 - Magnetic CoFe<sub>2</sub>O<sub>4</sub> ferrites for PMS activation for disinfection of wastewater - Jorge Rodríguez Chueca

S3.4 - Different molecular approaches to study anammox communities in wastewater treatment - Pia Oyarzua

S3.5 - New electrochemical reactors for coming challenges in wastewater treatment - José Fernando Pérez

S3.6 - Developing a respirometric technique for assessing biological activity of wastewater grown microalgae - Rebecca Serna

S3.7 - Scaling-up an integrated electrodisinfection-electrocoagulation process for wastewater reclamation - Salvador Cotillas

S4.1 - Development and implementation of a decision support system for a novel integrated solution aimed at water reuse - Nil Llopart Aguado

S4.2 - Micro-hydropower plants site using geographic information system: an opportunity to take advantage of removable energy resources - Eva Gómez-Llanos

S4.3 - DrinkIA: An Environmental Decision Support System for the Integrated Management of Drinking Water Treatment Plants - Lluís Godo-Pla

S4.4 - Towards a development of NOM-related Environmental Decision Support System for drinking water treatment plants - Jordi Suquet

S4.5 - Surface water flood risk management and how to implement suds in cities. Case study: sidmouth flood alleviation scheme - Darío de Frutos Subtil

S4.6 - Leak Localization in Water Distribution Networks using Pressure and a Data-Driven Classifier Approach - Congcong Sun



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## PONENCIAS

S5.1 - GUARDIAN: Green Urban Actions for Resilient fire Defence of the Interface Area - Alejandro García Monteagudo
S5.2 - Solar Water Disinfection (SODIS) as a household water treatment for low-income countries. Challenges and dealings - Ángela García Gil
S5.3 - AQTPlayer, rapid analysis of general changes in a water resources management model for scenario simulation and improvement in the decision support system - Edgar Belda
S5.4 - LIFE-DESEACROP. Desalinated seawater for alternative and sustainable soilless crop production - Patricia Terrero
S5.5 - Innovative financing for the urban water cycle - José Antonio Rodríguez de la Cruz
S5.6 - Natural assurance schemes canvas: a framework to identify business models to catalyse the implementation of nature based solutions for disaster risk reduction - Beatriz Mayor Rodríguez
S7.1 - Combination of nanofiltration membranes and electrooxidative processes as tertiary treatment for the removal of microcontaminants - Irene Salmerón
S7.2 - Exploring forward osmosis for production of reclaimed water and concentrated wastewater for anaerobic treatment - Federico Ferrari
S7.3 - Biofouling control based on nutrient removal in seawater reverse osmosis membranes - Zulema Borjas
S7.4 - Evaluation of ozone as an alternative treatment to chlorine in the fresh-cut industry: disinfection, microcontaminants elimination and agricultural reuse of treated wash-water - Samira Nahim Granados
S7.5 - Evaluation of fertilizer-drawn forward osmosis for sustainable water reuse in touristic mediterranean regions - Esther Mendoza
S7.6 - Management of hospital effluents: chemical and biological risks reduction by electrochemical advanced oxidation processes - Engracia Lacasa



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## PONENCIAS

YWPx - Mujeres en el sector del Agua - Águeda García de Durango

YWPx - Colaboración Público-Privada en el sector del Agua - Marina Arnaldos

YWPx - Francisco Pedrero

