



“emcon forum 2013” Technical Program -- Oral Presentations



Monday, 14 October 2013

Time	Agenda
09:00 - 09:30	Registration & Set-Up of Posters
09:30 - 09:40	Opening Ceremony & Welcome Remarks
09:40 - 10:30	Plenary Speech Chairperson: Gordon C. C. Yang
09:40 - 10:30	Emerging organic compounds in groundwater: occurrence, challenges and trends -- Damià C. Barceló --
10:30 - 10:50	Coffee Break
10:50 - 12:10	Track I: Advances in analytical, characterization, and monitoring methods Chairperson: Moo-Been Chang
10:50 - 11:10	The transport, fate, and toxicity of ZnO nanoparticles in HaCaT cells by Zn isotope tracking analysis -- Yong-Chien Ling --
11:10 - 11:30	Carboplatin degradation products obtained in the aquatic environment -- Igal Gozlan --
11:30 - 11:50	The dynamic shape factor of silver nanoparticle agglomerates -- Chuen-Jinn Tsai --
11:50 - 12:10	Evaluating the antibacterial property of gold-coated hydroxyapatite: a molecular biological approach -- Yu-Tzu Huang --
12:10 - 13:10	Lunch Break
13:10 - 13:50	Keynote Speech (I) Chairperson: Chuen-Jinn Tsai
13:10 - 13:50	Longitudinal follow-up study of health hazards among workers handling engineered nanomaterials -- Saou-Hsing Liou --
13:50 - 14:30	Track III : Occurrence in groundwater and drinking water Chairperson: Chuen-Jinn Tsai
13:50 - 14:10	Effect of peroxidation on the formation and fates of emerging disinfection byproducts, N-nitrosamines, during drinking water treatment processes -- Wei-Hsiang Chen --
14:10 - 14:30	Phthalate esters and pharmaceuticals in tap water of Kaohsiung City: Monitoring and removal -- Chia-Heng Yen --
14:30 - 14:40	Coffee Break
14:40 - 16:00	Track II : Fate, transport, and transformation Chairperson: Angela Yu-Chen Lin
14:40 - 15:00	Investigation of PAE contaminations in the agriculture soil in an industrial metropolitan area -- Chitsan Lin --
15:00 - 15:20	Emerging contaminant issues in New Zealand: An urban case study from the estuarine receiving environment around Auckland -- Michael Stewart --
15:20 - 15:40	Phenolic estrogens sorption onto the low and high molecular humic substances extracted from sediment with fluorescence quenching method -- Ting-Chien Chen --
15:40 - 16:00	Spatiotemporal variability of emerging contaminants in river waters and wastewaters: impacts from tourism -- Chon-Lin Lee --
16:00 - 17:20	Poster Session & Coffee Break
17:30 - 18:20	Before-Dinner Speech @ Ocean Front View Restaurant (The Sunset Beach Resort) Moderator: Gordon C. C. Yang
17:30 - 18:20	Toward a better understanding of the fate, behaviour and risk of fullerenes and other carbon-based nanomaterials such as carbon nanotubes in the total environment -- Damià C. Barceló --
18:30 - 20:30	Dinner



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Tuesday, 15 October 2013

Time	Agenda
09:00 - 09:40	Keynote Speech (II) Chairperson: Jih-Hsing Chang
09:00 - 09:40	The potential of NF membrane technology in addressing emerging contaminants --A. Fauzi Ismail--
09:40 - 10:40	Track IV: Advancement in removal and treatment technologies Chairperson: Carol Kuei-Jyum Yeh
09:40 - 10:00	Fate of emerging contaminants and their removals in two-stage membrane bioreactor treating municipal solid waste leachate -- Chart Chiemchaisri--
10:00 - 10:20	Seasonal variation in the occurrence and removal of pharmaceuticals and personal care products in wastewater treatment plant in Xiamen, China -- Chang-Ping Yu--
10:20 - 10:40	Effective degradation of naproxen by using platinum nanoparticles based FTO glass -- Chiung-Fen Chang--
10:25 - 10:40	Enhanced visible light assisted photoelectrocatalysis of sulfonamides by TiO ₂ /ITO composite thin-film photocatalysts after carbon doping -- Chung-Hsuang Hung--
10:40 - 10:50	Coffee Break
10:50 - 12:20	Track IV : Advancement in removal and treatment technologies Chairperson: Yu-Ling Wei
10:50 - 11:10	Estrogen degradation efficiency and sorption onto colloidal DOM in a constructed wetland with different hydraulic retention times -- Kuei-Jyum Yeh--
11:10 - 11:30	Mechanisms of decomposition and defluorination of dissolved perfluorooctanoic acid (PFOA) in permanganate-ultrasonic system and a comparative study between permanganate and perhydrol -- Shang-Lien Lo--
11:30 - 11:50	Ruthenium nanoparticles supported on CeO ₂ for catalytic permanganate oxidation of butylparaben -- Xiaohong Guan
11:50 - 12:10	Biodegradation of decabromodiphenyl ether by aerobic microcosms -- Yi-Tang Chang--
12:10 - 12:30	The transformation of hexabromocyclododecane with zerovalent iron nanoparticle aggregates -- Yang-hsin Shih--
12:30 - 13:20	Lunch Break
13:20 - 14:00	Keynote Speech (III) Chairperson: Li-Lian Liu
13:20 - 14:00	The use of mesocosms to assess impacts of legacy and emerging contaminants in estuarine ecosystems -- Michael H. Fulton--
14:00 - 15:00	Track V: Emerging contaminants in vertebrate and invertebrate populations Chairperson: Li-Lian Liu
14:00 - 14:20	Zinc oxide nanoparticles alter embryonic development and larval locomotor activity in zebrafish (<i>Danio rerio</i>) -- Te-Hao Chen--
14:20 - 14:40	Toxic effects of dibutyl phthalate (DBP) on adult zebrafish -- Yu-Kang Yuan--
14:40 - 15:00	Effect of twoazole fungicides with different cytochrome P450 activity on carcinogenesis in medaka fish (<i>Oryzias latipes</i>) -- Pei-Jen Chen--
15:00 - 15:30	Coffee Break / Poster Session
15:30 - 16:30	Track VI : Other relevant issues Chairperson: Chiung-Fen Chang
15:30 - 15:50	Differential expression of <i>Neocaridina denticulate</i> genes at the transcriptional level following short-term exposure to phthalate esters using expressed sequence tags -- Hung-Hung Sung--
15:50 - 16:10	Characterization of PCDD/F emission during start-up period of an MWI with a continuous sampler -- Moo-Been Chang--
16:10 - 16:30	The study of bio-accumulation of dioxins and mercury in fishes living in polluted closed water -- Pei-Yu Liao--
16:30 - 16:45	Poster Awards & Closing Remarks
18:30 - 20:30	Conference Banquet & Farewell Party