

Thursday 18th

09:30-10:30

Oral Presentations - Session 1

Env. Mangement & Monitoring 3A04	Climate Change & Energy 3A05	Ecology & Biodiversity 4A01
D1: Environmental Monitoring of Odorous Gases using Wireless Sensor Technology Heneghan, M. (LIT)	A1: Design of a Demand-Side Management System Cahill, G. (LIT)	Keynote Speaker: Mark Costello
D2: Survey of Bacteriological Contamination in Private Drinking Water Supplies in County Cork Bacci, F. (UCC)	A2: Assessing energy and GHG impacts of the car scrappage scheme in Ireland. Daly, H. (UCC)	
D3: The Assessment of the presence and main constituents of Particulate Matter Ten Microns (PM ₁₀) in Irish, Rural and Urban Air Byrd, T. (CCC)	A3: Assessing the feasibility of using seals as oceanographers in Irish waters del Villar D. (CMRC)	B1: On the Edge of Extinction: Dublin red squirrels. Carr, W. (UCD)
D4: Temporal and spatial distribution of human cryptosporidiosis in the west of Ireland 2004-2007 Callaghan, M. (NUIG)	A4: Environment Graduate Programme: A National Doctoral Programme for Structured PhD Training Dwane, O. (NUIG)	B2:Challenges in the assessment of the passage of fish through motorway culverts Cocchiglia, L.C. (UCD)

Thursday 18th 14:00-15:35 Oral Presentations - Session 2

Environmental Management & Monitoring 3A04	Climate Change & Energy 3A05	Ecology & Biodiversity 4A01	Sustainable management of the Natural & Built Env. 4A02
D5: Employing a portable X-Ray fluorescence (P-XRF) analyser and GIS to identify and map heavy metal pollution in soils of a traditional bonfire site Dao L.G. (NUIG)	A5: Assessing the benefits of Demand Side Management and Pumped Hydro in the Single Electricity Market. Fogarty, B. (LIT)	B3: Appropriate assessment of a poly-metallic sulphide massive hydrothermal vent community with contagiously distributed fauna earmarked for mining. Collins, P. (NUIG)	Keynote Speaker: Enda Kiernan
D6: Preliminary field observations on the response of algae in the Vartry River to manipulated nutrients concentrations, light and N:P ratios. Elsaholi, M. , (UCD)	A6: A metaproteomic approach to functionally investigate mixed microbial communities underpinning anaerobic bioreactors Gunnigle, E. (NUIG)	B4: A comparison of different saltmarsh types in Ireland in relation to environmental parameters and plant adaptations Cott G.M. , (UCC)	
D7: SmartBay Galway: Keeping Ireland's Smart Economy Afloat. Fogarty B. , (SeaChange)	A7: A Biofinery approach to production of Biogas from Algae Hernon, A. (IT Sligo)	B5: Do frogs prefer bogs or logs? Dibner, R.R. (NUIG)	E1: Increasing the sustainability of urban settlements in Ireland O Doherty, T. , (UL)
D8: Using Carbon Nanotubes to Detect Cr (VI) in aqueous media Garry L.M. , (NUI Maynooth)	A8: Psychrophilic Hydrolysis of Cellulose Keating, C. (NUIG)	B6: A Preliminary Assessment of the longitudinal extent of impact on macroinvertebrate communities in coniferous forestry catchments in Ireland Feeley, H. (UCD)	E2: Achieving Good Energy Performance of Buildings Regulations Tallott ,M. (NUIG)
D9: Suspended Sediment Loadings in Selected Rivers in the South Western River Basin District Harrington, S.T.M. (CIT)	A9: Carbon payback times for Irish wind-farms now and in the future Kehoe, S. F. (UCC)	B7: Classification of subtidal sedimentary biotopes in coastal and transitional waters at low sampling effort Forde, J. (MRI)	E3: Challenges in Strategic Env. Assessment of Regional Planning Guidelines: case study of the Mid-West Region Ireland Healion, K. (Tipp. Inst.)
D10: Impact of Road Runoff on Fresh Water Resources: Contaminants, Sources and Abatement Bacci, F. (UCC)	A10: The Application of partial nitrification and anammox process to treat ammonium rich wastewater Li, J.P. (NUIG)	B8: The ecophysiology of Yew (<i>Taxus baccata</i>) regeneration in southwest Ireland Jansen, M.A.K. (UCC)	E4 : Walkability, it means what to whom? A methodology for surveying stakeholders Fitzsimons, L.A. (DCU)

Thursday 18th

16.15-17.45

Oral Presentations - Session 3

Environmental Mangement & Monitoring 3A04	Climate Change & Energy 3A05	Ecology & Biodiversity 4A01
D11: A sequencing batch reactor (SBR) system coupled with dewatered alum sludge for nutrient removal from livestock wastewater Hu Yuansheng, (UCD)	A11: PESI: enhancing the quality and reliability of biodiversity data Nash, R. (Ecological Consultancy Services Ltd.)	B9: Spatial and temporal variability of substrate nutrients in Irish temporary limestone lakes (turloughs). Kimberley, S. (TCD)
D12: Effects of substrate particle size on wastewater purification and clogging time in constructed treatment wetland Hua Guofen, (UCD)	A12: Novel Passive Sampling Devices for the Monitoring of Priority Pollutants NicArdghail, R. (DCU)	B10: Biological and Environmental Regimes in Irish Coastal Lagoons. A Study of Cuskinny Nature Reserve, Cobh, Co. Cork. Lettice, S. L., (UCC)
D13: Analysis of Priority PAHs in WasteWater using GC-MS Jones, L. (DCU)	A13: Towards the development of a water quality index for the rivers draining the Merendon Mountains region of Honduras. O'Callaghan, P (UCD)	B11: The grey threat: Relating changes in grey squirrel population density to the extent of bark-stripping damage in broadleaf tree plantations. Naulty, F. (UCD)
D14: Removal of famotidine from aqueous solutions by novel integrated photocatalytic adsorbents Keane, D. (DCU)	A14: Development of Biodegradable Chitosan Hydrogel Materials to Encapsulate Nitrification Inhibitors for Sustained Release. O'Carroll, CJ (NUI Maynooth)	B12: The freshwater opossum shrimp <i>Mysis relicta</i> (Lovén) in Ireland. Penk, M. R. (EcoServe Ltd.)
D15: The Implications of Information and Communications Technology for Environmental Regulation Kennedy, R. (NUIG)	A15: Deploy: A long-term water quality monitoring system in the River Lee. Regan, F. (DCU)	B13: Establishment of an inventory of ancient and long-established woodland in Ireland Perrin, P. M. (BEC Consultants Ltd.)
D16: Biomonitoring of surface and coastal water for <i>Cryptosporidium</i> , <i>Giardia</i> and human-virulent microsporidia using molluscan shellfish Lucy F.E. (IT Sligo)	A16: The comparison of small to medium scale anaerobic digestion to CHP for various crop rotations in Ireland Goulding D. (CIT)	B14: The Role of Organic Farming in the Conservation of Grassland Biodiversity. Power E. F. (TCD)

Friday 19th

09.30- 10.50

Oral Presentations - Session 4

Environmental Mangement & Monitoring 3A04	Climate Change & Energy 3A05	Environmental Mangement & Monitoring 4A01	Environmental Entrepreneurship 4A02
D17: Autonomous Phosphate Analyser Commercialisation Maher, D. (DCU)	A17: Survey of microbiological water quality of coastal and fresh waters in Dublin area Shakalisava, Y. (DCU)	D25: Development of a novel two step process for the treatment of phenolic wastewater Smart, D. (UL)	Keynote Speaker: Conor McGovern
D18: Potential measures for the restoration of Cork Lough: a shallow hypertrophic urban lake Murphy, G. M. (UCC)	A18: Evaluation and interpretation of groundwater levels in the South Eastern River Basin District Tedd, K. (TCD)	D26: Use of geographically weighted regression to map soil organic carbon contents in Ireland Zhang, C. (NUIG)	
D19: Investigation of bacterial pathogen sources and transfer hydrodynamics in rural catchments. Murphy S. , (NUIG)	A19: Use of geographically weighted regression to map soil organic carbon contents in Ireland Zhang, C. (NUIG)	D27: Distributed Adaptive Sampling and Alarm Management for Environmental Monitoring Cantero, F. (LIT)	C1: The use of molecule imprinting as an innovative technology within environmental science O'Connor J. (LIT)
D20: 3-Dimensional Circulation Patterns in a marine lake with regard to Residence Time and Nutrient Dispersion O' Sullivan, K. (HMRC)	A20: Green Tech Network, Generating Green Jobs Gallagher, S.A. (ESAI)	D28: A reputation and trust based multi-modal sensor network for environmental monitoring O'Connor, E. , (DCU)	
D21: Optical sensing and chemometric analysis of soil properties – a cost-effective alternative to conventional laboratory methods? O'Rourke, S.M. (UCD)	A21: Stop the Ozene Killer Call Chemical and Fuel Pollution Panneah-Ajiteru, S.O.A (University of Ibadan)	D29: An investigation of the effects of enzymatic additions on anerobic sludge dewatering properties. Anders. Y. , (IT Sligo)	

Friday 19th

11.30- 12.50

Oral Presentations - Session 5

Environmental Mangement and Monitoring 3A04	Climate Change & Energy 3A05	Ecology & Biodiversity 4A01
<p>Keynote Speaker:</p> <p>Brian Donlan</p>	<p>Keynote Speaker:</p> <p>Barry McDermot</p>	<p>B15: Impacts of bioenergy crops on plant-pollinator networks Stanley, D. (TCD)</p> <p>B16: The degradation of fat using a bioaugmentation product Tzirita, M., (DCU)</p>
<p>D22: Oxidative-based chemical approaches to the degradation of antisense molecules Robinson, C. (UL)</p>	<p>A22: Mesoporous solids for low temperature carbon dioxide adsorption Reimann, W. (UL)</p>	<p>B17: A leaf feeding fly, <i>Hydrellia</i> sp. (<i>Ephydriidae</i>) imported into quarantine as a candidate biological control agent on <i>Lagarosiphon major</i> (<i>Hydrocharitaceae</i>). Mangan, R., (UCD)</p>
<p>D23: Treatment of dairy soild water using a wood filter Ruane, E. (DPC Teagasc)</p>	<p>A23: The potential for biomethane as a transport fuel in Ireland Kenneally, D. (CIT)</p>	<p>B18: Describing the influences of environmetal variables on physiological processes of a shallow sub-tidal marine ecosystem Murphy, T. J. E., (UL)</p>
<p>D24: Chronic effects of the pharmaceuticals Gemfibrozil and Diclofenac on mussels (<i>Mytilus edulis</i> and <i>Dreissena polymorpha</i>) and their comparison with toxicity tests Schmidt,W. (ICET/GMIT)</p>	<p>A24: An Investigation into the quality of Irish wood for use as a solid biofuel Cooley, S. (WIT)</p>	<p>B19: Bat crossings along Irish national roads – implications for planning mitigation measures Abbott, I.M. (UCC)</p>

