

Conference Programme

Tuesday 20 November	
Time	Venue: C1
8.40am Conference opening	
1. Symposium: Feathers to Fur I Chair: Dave Kelly	
8.45	Gibbs: Why are New Zealand invertebrates different?
9.15	Lee: Is there a legacy of avian-dominated plant-herbivore systems in New Zealand?
9.45	Tennyson: The History and Origin of New Zealand's Terrestrial Vertebrates: Recent Advances in Knowledge
10.15-10.45: Morning tea	
2. Feathers to Fur II Chair: Jon Sullivan	
10.45	McDowall: Historical and ecological context, pattern and process, in the changing New Zealand's freshwater fish fauna
11.15	Johnston: Hyphae amongst the feathers and fur: the causes and consequences of changes to New Zealand's fungal biota
11.45	McGlone: Climate change and the ecology of New Zealand: past influences, present legacies and future prospects (NZES Te Tohu Taiao address)
12.15-1.15: LUNCH	
3. Feathers to Fur III Chair: John Ogden	
1.15	Holdaway: Moa biology and ecology in the 21st Century: perspective and retrospective
1.40	Forsyth: Are deer moas? Impacts of introduced deer in New Zealand forests
2.05	Duncan: Regeneration gaps and vegetation change in New Zealand forests: earthquakes and climate
2.30	Condron: Soil fertility and ecosystem development in New Zealand
2.55	Kelly: Bird-plant mutualisms with the wreckage of an avifauna
3.20-3.50: Afternoon tea	
4. Feathers to Fur IV Chair: Matt McGlone	
3.50	Brockhoff: Impacts of invasive invertebrates on New Zealand's indigenous ecosystems
4.15	McIntosh: Salmonid impacts on New Zealand galaxiid fish
4.40	Innes: Predation and other factors currently limiting New Zealand forest birds - a review
5.05	Wilmshurst: The Polynesian Revolution and the prehistoric transformation of New Zealand
5.30	Bellingham: Changes on islands: seabirds, predators, and the importance of history
6.00-7.30: NZ Ecological Society AGM, in C1	
7.00-11.00pm: BBQ, at the Staff Club	

Wednesday 21 November

Time	Venue: C1	Venue: C2
6. Conservation Management Chair: Angus McIntosh		
8.50	Eason: Extending the use of humane, low residue, multispecies control tools	Sawyer: Mapping the flora – a biogeographic basis for plant conservation
9.10	Gillies: Diphacinone bait for ground control of rats on the mainland conservation estate	Rutledge: Development and Application of the Protected Areas Network New Zealand (PAN-NZ) Database
9.30	Spurr: Protecting islands from rodent (re)invasion – evaluation of long-life baits and bait station types	*Whitehead: Predicting the potential range of threatened species: the use of long-term data to assess suitable habitat for who throughout New Zealand.
9.50	Fisher: Not just little rats – optimising toxic baits for house mice	Whelan: Plants for Constructed Mine Wetlands in New Zealand: A Case Study at Golden Cross Mine
10.10	Murphy: Developing a new toxin for the control of feral cats, stoats and wild dogs	Deng: Numerical Frameworks used to Prioritise Areas for Biodiversity Management in the Waikato Region
10.30-11.00 Morning tea. A demonstration of the NZ Biodiversity Recording Network website will be held in C2 at the beginning of the tea break		
8. Landscape Ecology Chair: Ecki Brockerhoff		
11.00	Kemp: Aerial 1080 for multi-pest knockdown: results from a series of large-scale field experiments in New Zealand forests with a focus on ship rats	Pawson: Plantation forests as habitat for native species: The impact of clearfell harvesting
11.20	Nugent: Multispecies pest control: Killing more animals with fewer baits	*Hutchison: An experimental test of the influence of landscape context on exotic plant invasions into native forest fragments, West Coast, New Zealand
11.40	Veltman: Uncertainties remaining about non-target effects of aerial 1080 operations and experimental designs for exploring them.	Wiser: New Zealand's shingle beaches: significant rare ecosystems or exotic-dominated wastelands?
12.00	Green: Ecological toxins and public tipping points: lessons from the 1080 re-assessment	Woodford: The role of habitat patterns in controlling the impact of predatory trout on non-migratory galaxiid distributions across riverscapes
12.30-1.30: LUNCH		

* = eligible for student prize

Wednesday 21

Time	Venue: C1	Venue: C2
	9. Symposium: Biodiversity And Ecosystem Function Chair: Bill Lee	10. Plant Ecology Chair: KC Burns
1.30	Dickie: Fungal communities: small-scale drivers of large-scale ecosystem processes	McAlpine: Potential invasion of <i>Berberis darwinii</i> (Darwin's barberry) into New Zealand <i>Nothofagus</i> (beech) forest
1.50	Kay: Invertebrate biodiversity associated with <i>Nothofagus</i> and its consequence for ecosystem function.	*Dickinson: The Root Systems of Selected New Zealand Short Tussock Grassland Species: Description and Functional Classification
2.10	Yeates: Scale and nematode contributions to ecosystem processes	*Harsch: Taking a step back: historical disturbances as indicators of current and future forest dynamics
2.30	Tompkins: Parasites, Populations, Communities and Ecosystems – The Role of Parasites in the Natural World	Bishop: Seed bank dynamics of New Zealand forest and shrubland ecosystems
2.50-3.20: Afternoon Tea		
	11. Interactions Chair: Alastair Robertson	12. Birds I Chair: John Innes
3.20	Hoare: Attempting to manage complex predator-prey interactions fails to avert imminent extinction	Brockerhoff: Effects of land cover type on indigenous forest birds in Canterbury
3.40	Newstrom-Lloyd: Native and exotic plant-pollinator mutualisms in New Zealand	Galbraith: Motu Kaikoura - degraded avifauna diversity the result of fallow deer?
4.00	Burns: Heteroblasty in the Chatham Islands: Reversion to homoblasty in the absence of moa?	*Hegg: A stochastic model to evaluate different management scenarios for the Fiordland takahe
4.20-6.00: Poster session, Upstairs foyer C block		
7.00-midnight: Conference Dinner at the Hotel Grand Chancellor		

Thursday 22 November

Time	Venue: C1	Venue: C2	Venue: C3
	13. Symposium: LENZ and Threatened Environments Chair: Philip Grove	14. Populations and Communities Chair: Peter Bellingham	15. Birds II Chair: Adrian Paterson
C1: 8.40 C2: 8.50 C3: 8.50	Leathwick: Five years after LENZ – would we do it the same? Starting time of 8.40am	Wilson: Dynamics of house mouse populations in an alpine landscape. Starting time of 8.50am	Castro: Avian Malaria in New Zealand Saddlebacks living on Mokoia Island, Lake Rotorua. Starting time of 8.50 am
9.10	Rutledge: Using scenarios to estimate the condition and trend of coastal environments	Robertson: Interactions among pollinators, flower herbivores and forest fragmentation determine fruit set in declining <i>Peraxilla</i> mistletoes	*Minson: Improving the diet for captive kiwi
9.30	Ward: LENZ - is it fit for purpose yet?	*Guthrie: Tastes like home. Regional patterns of adaptation by specialised arthropod herbivores of <i>Cordyline australis</i> : plant genetics or host quality?	Stevens: Kaupapa Kererū count day: estimating the number and distribution of kererū on Banks Peninsula
9.50	Lloyd: Use of LENZ and LCDB2 for determining the representative value of stands of indigenous vegetation	*Greig: Multiple time constraints across habitats lead to life history specialization in a temporary pond caddisfly	*Cunningham: The kiwi bill-tip organ - a new prey-detection system for kiwi?
10.10	Maseyk: Biodiversity Protection on Private Land - applying the LENZ framework to regional biodiversity policy	*Affeld: Canopy microclimate and epiphyte community composition in northern rata (<i>Metrosideros robusta</i>)	Miskelly: Impact of introduced mammals on the genetic diversity and conservation status of New Zealand snipes (<i>Coenocorypha</i> spp.)
10.30-11.00 Morning tea. A demonstration of the NZ Biodiversity Recording Network website will be held in C2 at the beginning of the tea break			
	Venue: C1	Venue: C2	
	16. Vegetation Change Chair: Richard Duncan	17. Invertebrate Ecology Chair: Ruth Guthrie	
11.00	Husheer: Variable responses of New Zealand's indigenous forests to the exclusion of ungulates	*Painting: Catch me if you can: interceptions and establishments of exotic longhorn beetles (Cerambycidae: Coleoptera) in NZ, USA and the world	
11.20	*Gatehouse: People and urban land cover explain the number and composition of the naturalised plants of New Zealand.	*Sarfati: Mast seeding and the importance of predictive diapause in a seed insect predator and its parasitoids	
11.40	Mark: Results of long-term (>35-yr) vegetation monitoring in Mt Aspiring National Park and Secretary Island, Fiordland, in relation to contrasting trends in feral deer impacts.	*Bassett: Effects of alligator weed invasion on lakeside invertebrate communities.	
12.00	*Day: Changes in plant species composition in New Zealand's South Island tussock grasslands over two decades	*Chappell: Phylogeography, Morphology and Reproductive Behaviour of Ground Weta (<i>Hemiandrus pallitarsis</i>).	
12.30-1.30: LUNCH			

Thursday 22 November

Time	Venue: C1	Venue: C2
	18. Symposium: Island Restoration: Where To From Here? Chair: Rod Hay	19. Urban Ecology Chair: Colin Meurk
1.30	Jones: Combining science and Hauraki matauranga to manage grey-faced petrels on New Zealand's offshore islands	Morgan: A survey of mammalian pest species in Hamilton city
1.50	Jamieson: Founder effects, inbreeding and loss of genetic variation, and their impact on island restoration	Wehi: Urban weta in forest fragments: marooned survivors or successful dispersers? Ecological genetics of <i>Hemideina thoracica</i> , the northern tree weta, in urban forest fragments
2.10	Hutchings: A Myriad of Reserve Types - the need for an Offshore & Outlying Island Management Strategy	Hostetler: Sustainable Urban Developments: Barriers and Solutions to Creating Communities that Conserve Natural Resources
2.30	Towns: Island biodiversity research strategy (interactive discussion)	*Doody: Urban realities: Converting urban gardens from sinks to sources in urban plant conservation
2.50-3.20: Afternoon Tea		
Time	Venue: C1	
	20. The Barlow Session (showcasing three early-career scientists from the local region) and concluding talk	
3.20	Pitt: Simulating the invasion history of Argentine ant with Modular Dispersal in GIS	
3.40	Wotton: Consequences of dispersal failure: effects on recruitment in large-seeded trees	
4.00	MacLeod: Parasites lost: did they 'miss the boat' or 'drown on arrival'?	
4.20	Ogden: Feathers to Fur V - Past to Future?	
4.40-5.00: Student Prizegiving and conference close		

Poster Session Programme

Wednesday 21 Time: 4.20-6.00 Venue: Upstairs foyer C block	
1	Ball: Search for the Te Paki <i>Mecodema</i> : Part two
2	Ball: Forest-floor ground beetles (Coleoptera: Carabidae) of Te Paki, Northland: Biodiversity and conservation
3	Barkla: 37-years of vegetation monitoring in Mt Aspiring National Park
4	* Bassett: Altered nutrient cycling as a novel non-target effect of weed biocontrol.
5	Jones: The effect of pest control on the regeneration of canopy and understorey species at Acker's Point, Stewart Island
6	Gautam: National Biodiversity Metadata Database
7	* Kikillus: Exotic reptiles: A risk analysis for New Zealand
8	Ladley: Reproduction by ornithophilous-flowered plants when birds are rare: <i>Sophora prostrata</i> in Canterbury.
9	Magaña: Are species' distribution patterns correlated with ecological traits? A multiscale analysis of the New Zealand flora
10	McNutt: Inventory and Monitoring Toolbox - establishing inventory and monitoring standards for the Department of Conservation
11	Morgan: Causes of nesting failure in urban birds using time-lapse video
12	* Newbold: Can Predators Detect IR Monitoring?
13	Pryde: Performance of mark-resight population estimators using two robin populations of known size
14	Sullivan: Food or sex: which would you choose?
15	Van Horik: The management of risks associated with importing new organisms into New Zealand (HSNO Act)
16	* Waring: Altering native foodwebs: Indirect effects of ragwort (<i>Senecio jacobeeae</i>) invasion and naturalisation in New Zealand
17	* Watkins: Patchy distribution of mice, rats and stoats in relation to population density index
18	Wehi: Hutia te rito o te harakeke: Understanding harakeke ecology and Maori historical management