

## ESR Events 2001

- [3rd December: Infrastructure, Ecology and Art](#)
- [26th to 29th November: International Ecological Engineering Conference](#)
- [18th October: The Role of Cycling as a 21st Century Transport Mode](#)
- [20th September: Economic Development and Social Responsibility](#)
- [16th August: How the Office of the Parliamentary Commissioner for the Environment responds to Citizens' Concerns](#)
- [19th July: Moving NZ Towards a Sustainable Energy Future](#)
- [21st June: Landmines - Are we winning?](#)
- [24th May: The Rural Centre for Human Interests](#)
- [24th May: Water for Survival AGM](#)
- [29th April: Nihotupu Tramline Walk](#)
- [26th April: The use of Hydrogen as a Fuel for Motor Vehicles and for Household use](#)
- [19th April: Landmines in Europe](#)
- [15th March: How is New Zealand Reacting to the Greenhouse Effect?](#)
- [15th March: ESR Auckland Branch Annual General Meeting](#)
- [8th and 9th March: ESR 15th National Conference - Valuing Human Capital](#)



### Infrastructure, Ecology and Art

Event report available: [Infrastructure, Ecology and Art](#)

- **Speaker:** Dr Ing Hein van Bohemen from the Ministry of Transport, Public Works and Water management/Road and Hydraulic Engineering Division and Delft Interfaculty Research Centre
- **Date:** Monday 3 December 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

In keeping with the 'industrial ecology' metaphor, roads and railways should be regarded as forming an ecosystem with their surroundings, just like industrial systems (factory premises, manufacturing industries) that have had to start functioning as ecosystems in which the flow of energy, water, raw materials and waste products has been made to recycle as far as possible. In this type of system approach, the flow of material, transport, emissions and energy and the habitats of plants and animals are geographically, systematically and functionally integrated, especially when they are based on a greater degree of interweaving between man and nature than is currently the case. In short: a new way of looking at the meaning of ecology in relation to the physical infrastructure.

In the presentation examples are given about the practical implication of linking ecological patterns and processes within the design process of civil engineering object, as well as the possible art's contribution in forming infrastructural landscapes.

For further information contact:

John La Roche  
Email: [johnwfs@clear.net.nz](mailto:johnwfs@clear.net.nz)  
Phone: 0-9-528 9759  
Fax: 0-9-528 9752



---

## International Ecological Engineering Conference

Event report available: [International Ecological Engineering Conference](#)

- **Convenor:** Organised under the auspices of the International Ecological Engineering Society (IEES) and Engineers for Social Responsibility (ESR)
- **Date:** Monday 26 to Thursday 29 November 2001
- **Venue:** Lincoln University, Canterbury

Ecological Engineering is the design of sustainable systems consistent with ecological and engineering principles that integrates human society with its natural environment for the benefit of both.

IEES Conference 2001 Websites [www.lincoln.ac.nz/pdq/iees/](http://www.lincoln.ac.nz/pdq/iees/)

Conference Administrator: Helen Shrewsbury

Email: [shrewsbh@lincoln.ac.nz](mailto:shrewsbh@lincoln.ac.nz)

Phone: +64 325 2811

Fax: +64 3 325 3840

Post: PO Box 84, Lincoln University, Canterbury, New Zealand



---

## The Role of Cycling as a 21st Century Transport Mode

Event report available: [The Role of Cycling as a 21st Century Transport Mode](#)

- **Speaker:** Dr Adrian Croucher, Secretary of Cycling Advocates Network (CAN)
- **Date:** Thursday 18 October 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

Transport has become a major issue in many New Zealand cities, and the problems associated with our present car-dominated transport systems are well known- including congestion, environmental impacts, declining public health resulting from sedentary lifestyles, and rising costs to the user.

Commonly proposed transport solutions (motorway development, public transport initiatives, cleaner fuels etc.) typically deal with at best two of these problems, and make little or no impact on the others. What is needed, to make progress on all of these problems at once, is a transport mode that is small, clean, efficient, health-promoting and cheap.

Such a mode - the bicycle - already exists. And as most driving trips in NZ are short, there is great potential for increased bicycle use. So what's stopping it? The main factor currently preventing this is the perceived risk of cycling - even though the safety risks are in fact easily outweighed by the health benefits. What is being done, and what still needs to be done, to overcome the barriers to increased cycle use in NZ?

For further information contact:

Sean Finnigan

Email: [seanfinn@clear.net.nz](mailto:seanfinn@clear.net.nz)

Phone: 0-9-263 9269



---

## Economic Development and Social Responsibility

- **Speaker:** Professor Ian Shirley, Professor of Public and Social Policy and Director of the Institute of Public Policy, Auckland University of Technology
- **Date:** Thursday 20 September 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

This presentation explores the relationship between economic development and social responsibility. Although the major focus is on economic and social development in New Zealand, regional and global trends are also examined in order to distinguish between 'rhetoric' and 'reality'.

Professor Ian Shirley has conducted a wide range of research and consultancy activities in concert with governments and private sector agencies in New Zealand and comparative countries. He took part in the UN Meeting of Experts on National Development and he has been the programme director for multi-disciplinary research projects on major areas of public and social policy including regional development, labour market dynamics, economic participation, employment barriers and opportunities, dealing with crime, and familial and societal change. For a number of years Ian was the Director of the Social Policy Research Centre at Massey University.

For further information contact:

John La Roche  
Email: [johnwfs@clear.net.nz](mailto:johnwfs@clear.net.nz)  
Phone: 0-9-528 9759  
Fax: 0-9-528 9752



---

## How the Office of the Parliamentary Commissioner for the Environment responds to Citizens' Concerns

- **Speaker:** Bob McClymont, Director Citizens Concerns, Office of the Parliamentary Commissioner for the Environment, Wellington
- **Date:** Thursday 16 August 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

The Office of the Parliamentary Commissioner is able to investigate the performance of public authorities and agencies established by the Government for managing the allocation, preservation and use of natural and physical resources. The interest of the Commissioner is not in securing compliance for its own sake, but in ensuring the legislative system and practice of public authorities is beneficial to the environment. In carrying out these investigations the Commissioner may identify wider issues with significant environmental implications which may become the focus of an investigation.

Bob McClymont was appointed Director of Citizens' Concerns in September 1997 with the responsibility for examining any citizens concerns and issues which may warrant closer study. He will discuss how his office operates.

### Meeting with Bob McClymont to hear Specific Concerns

Bob McClymont has kindly offered to meet people with specific concerns at 4.00pm on Thursday 16 August at Jack Lello's home, 83 Tarawera Terrace Kohimarama. If you would like to meet Bob at this meeting please phone Jack Lello at 528 8877.

For further information contact:

John La Roche  
Email: [johnwfs@clear.net.nz](mailto:johnwfs@clear.net.nz)  
Phone: 0-9-528 9759  
Fax: 0-9-528 9752



---

## Moving NZ Towards a Sustainable Energy Future

Event report available: [Moving New Zealand Towards a Sustainable Energy Future](#)

- **Speaker:** John Blakeley, Research Fellow, Sustainable Engineering Initiatives at UNITEC and Convenor of the Sustainable Energy Forum
- **Date:** Thursday 19 July 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

The presentation will include climate change imperatives to moving NZ towards greater sustainable energy use and review ways in which this might be achieved, with reference to the recently published Draft National Energy Efficiency and Conservation Strategy. The presentation will also question whether "walling off" the electricity industry behind its own self-governing Governance Board (as proposed in the currently-stalled Electricity Industry Bill), and possibly subsequently doing the same thing for the gas industry, is the right way to go about achieving the ultimate objective of a sustainable energy future for New Zealand.

For further information contact:

John La Roche  
Email: [johnwfs@clear.net.nz](mailto:johnwfs@clear.net.nz)  
Phone: 0-9-528 9759  
Fax: 0-9-528 9752



---

## Landmines - Are we winning?

Event report available: [Landmines - Are we winning?](#)

- **Speaker:** Neil Mander
- **Date:** Thursday 21 June 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

In December 1997 a historic treaty was signed by 122 countries, banning the manufacture, stockpiling, and use of antipersonal landmines. Vast efforts and huge expense have gone into investigating new technological ways of locating mines and clearing minefields. Much time has been spent in international conferences and meetings. Considerable effort has been put into training of indigenous demining teams. Many NGOs and Governments have expended a lot of resources in providing first aid and treatment and then the rehabilitation of victims.

But are we winning? Has the landmine problem really been dealt with, or is it still there, just under the surface?

For further information contact:

Neil Mander

Email: [neilman@clear.net.nz](mailto:neilman@clear.net.nz)

Phone: 0-9-625 9306

Fax: 0-9-625 9306



---

## The Rural Centre for Human Interests

Event report available: [The Rural Centre for Human Interests and AT Projects in Papua New Guinea](#)

- **Speakers:** Jack Woodward, Paul Henriques, John La Roche
- **Date:** Thursday 24 May 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

The Rural Centre for Human Interests (RUCHI) is based at Bandh, a small village 40km from Solan in Himalayan foothills of Himachal Pradesh state, Northern India. For the last ten years Water for Survival has been providing RUCHI with funding assistance for building household rainwater tanks and a range of other health and sanitation activities. RUCHI is a fascinating organisation with a wide range of activities including the development of bio-gas for household cooking, Nadep Composting for improving soil fertility and many other appropriate technologies.

Jack Woodward, Paul Henriques and John La Roche have all visited RUCHI at various times and they will talk about their impressions. There will also be a report from Mike Chapman, a young hydrologist from Hamilton who worked at RUCHI voluntarily for six months. Unfortunately Mike will be overseas on 24 May.

For further information contact:

John La Roche

Email: [johnwfs@clear.net.nz](mailto:johnwfs@clear.net.nz)

Phone: 0-9-528 9759

Fax: 0-9-528 9752



---

## Water for Survival AGM

- **Date:** Thursday 24 May 2001
- **Time:** 7:00pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

The Water for Survival Annual General Meeting.

For further information contact:

John La Roche

Email: [johnwfs@clear.net.nz](mailto:johnwfs@clear.net.nz)

Phone: 0-9-528 9759



## Nihotupu Tramline Walk

- **Date:** Sunday 29 April 2001
- **Time:** Start any time between 9.00am and 2.00pm, walk takes 2 hours
- **Venue:** Arataki Visitor Centre, Scenic Drive, Titirangi, Auckland

### Details

The Nihotupu Tramline walk is an annual event sponsored by WaterCare Services and ARC Parks to raise funds for Water for Survival projects in developing countries. This year the funds will go to provide hand dug well for 1,389 people in four villages of the West Manprusi district of Ghana. Donations of \$5 per adult and \$2 per child will be requested at the start of the walk.

Buses leaving regularly between 9am and 2pm will take people from Arataki to the start of the walk. The walk, which takes about 2 hours goes through magnificent bush, past a waterfall and around the lake edge to the Upper Nihotupu Dam. From the dam the walk is along the level tramline through tunnels. Bring torches. Food is available along the walk. Parking for cars is along the roadside as directed at Arataki. The walk is on Sunday 29 April, wet or fine. Please tell your friends and come to a great day out in the bush.

For further information contact:

John La Roche  
Email: [johnwfs@clear.net.nz](mailto:johnwfs@clear.net.nz)  
Phone: 0-9-528 9759  
Fax: 0-9-528 9752



## The use of Hydrogen as a Fuel for Motor Vehicles and for Household use

- **Speaker:** Professor Paul Kruger of Stanford University
- **Date:** Thursday 26 April 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

Professor Kruger will be in Auckland for a short visit from 23 April. He is researching the future use of hydrogen as a fuel for motor vehicles and also more widely, for example in fuel cells for generating electricity in individual households. The project is looking forward up to about the year 2050.

For further information contact:

John La Roche  
Email: [johnwfs@clear.net.nz](mailto:johnwfs@clear.net.nz)  
Phone: 0-9-528 9759  
Fax: 0-9-528 9752



## Landmines in Europe

Event report available: [Landmines In Europe](#)

- **Speaker:** Lawrence Carter, Landmine Research Group, School of Engineering, University of Auckland.
- **Date:** Thursday 19 April 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

Lawrence Carter spent his study leave year 2000 in Europe, at the Joint Research Centre of the European Commission, working on landmine detection. In this talk he will look at the problem of landmines in Europe, especially in the former Yugoslavia, and at the European response. Part of this response includes the landmine work at the Joint Research Centre, which will be described here together with a summary of Lawrence's own work on microwave-stimulated thermal imaging.

For further information contact:

David Roche  
Email: [david.roche@xtra.co.nz](mailto:david.roche@xtra.co.nz)  
Phone: 0-9-626 2711  
Fax: 0-9-626 2711



---

## How is New Zealand Reacting to the Greenhouse Effect?

Event report available: [How is New Zealand Reacting to the Greenhouse Effect?](#)

- **Speaker:** Garry Law
- **Date:** Thursday 15th March 2001
- **Time:** 7:30pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

The United Nations Convention on Climate Change and the Kyoto Convention under that convention are key international agreements to contain the effects of release of greenhouse gases. New Zealand has signed the first and announced its intention to ratify the second.

New Zealand (among many other nations) has failed to meet its initial obligations under the convention and has been somewhat backward in developing policy responses to the obligations which arise under the protocol. The new government seems to be tackling that much more vigorously.

There are major questions of equity which arise under the treaty in respect of the roles developed and developing nations have or may have in causing the problem, in being sources of new releases or being the sites of opportunity for the use of cleaner technology.

For further information contact:

David Roche  
Email: [david.roche@xtra.co.nz](mailto:david.roche@xtra.co.nz)  
Phone: 0-9-626 2711  
Fax: 0-9-626 2711



# ESR Auckland Branch Annual General Meeting

Event report available: [ESR Auckland Branch Annual General Meeting 2001](#)

- **Date:** Thursday 15th March 2001
- **Time:** 7:00pm
- **Venue:** Room 3.407, The University of Auckland, School of Engineering, 20 Symonds Street

The business of the meeting will be to receive the Auckland Branch annual reports and to elect the incoming Auckland Branch Executive, followed by general business pertinent to the annual general meeting.

Nominations are called for the positions of Auckland Branch Chairman, Secretary, Treasurer and Committee members. Prior nominations are preferred, but will be accepted at the meeting.

For further information contact:

David Roche

Email: [david.roche@xtra.co.nz](mailto:david.roche@xtra.co.nz)

Phone: 0-9-626 2711

Fax: 0-9-626 2711



---

## ESR 15th National Conference - Valuing Human Capital

Event report available: [ESR 15th National Conference - Valuing Human Capital](#)

Event report available: [ESR Annual General Meeting 2001](#)

- **Speakers:** The speakers will include Tony Gibson, Liz Godfrey, Kepa Morgan, Barry Fisk, Katherine Peet and Shane Matheson
- **Date:** Thursday 8th and Friday 9th March 2001 (two half days)
- **Time:** 12.15pm
- **Venue:** IPENZ Offices, Suite 1.5, 72 Dominion Road, Mount Eden

The 15th National ESR Annual Conference will precede the 2001 IPENZ Congress which commences in Auckland on the afternoon of Friday 9th March. This will enable out-of-town IPENZ members to attend the stimulating discussions at the ESR Conference before the more formal Congress.

Valuing and utilising our human potential must surely be one of the most important issues for our society. It is people who make things happen and the ESR Conference will explore the issues of how people and their skills should be valued for a better society.

### Programme

#### Thursday 8 March

- 12.15pm Registration and Lunch
- 1.15pm Powhiri, welcome and opening
- 1.30pm
  - **Session 1:** What skills base do we have, and how many engineers do we need?
  - **Speaker:** Tony Gibson, IPENZ President, has long been concerned that our technical skills base has dwindled to an unacceptable level.
- 2.00pm Group discussions followed by plenary feedback
- 3.00pm Afternoon tea

- 3.30pm
  - **Session 2:** How can the engineering skills base be widened to include more Women, Maori, Immigrants and senior engineers? Why are these groups underrepresented and what can we do to incorporate more of them into our profession?
  - **Panel:**
    - Liz Godfrey, Associate Dean of Engineering for Undergraduate Affairs, The University of Auckland
    - Kepa Morgan, Coordinator, support for Maori and Pacific Island engineering students, The University of Auckland
    - Barry Fisk, Regional Commissioner Work and Income NZ
- 4.00pm Group discussions followed by plenary feedback
- 5.15pm ESR Annual General Meeting
- 6.00pm Social hour
- 7.00pm ESR Dinner

### Friday 9 March

- 9.00am
  - **Session 3:** How can work be humanised to strengthen communities? Why do so many people work excessive hours? What is this doing to our communities and society?
  - **Speaker:** Katherine Peet, is one of the organisers of Reshaping Work Conference, October 2000.
- 9.30am Group discussions followed by plenary feedback.
- 10.15am Morning tea.
- 10.30am
  - **Session 4:** How can workers be valued and retained? Experienced employees must be the most valuable asset for any company. How should a good employer treat staff to ensure employee satisfaction and performance?
  - **Speaker:** Shane Matheson, Director Top Drawer Consultants. Shane has had much involvement with the Equal Employment Opportunities Trust, an organisation which assists employers to recognise the performance and well-being of their employees by helping them to achieve a balance between work and family responsibilities.
- 11.00am Group discussions followed by plenary feedback.
- 12.00pm Conference conclusions and close.
- 12.15pm Lunch.

To participate please fill in the [Conference Registration Form](#)

