

## ESR Events 2004

- [18th November: Green Not Grey - The Case For Sustainable Urban Design](#)
- [21st October: Sustainability Review](#)
- [16th September: Meeting Electricity Needs - The Hidden Resource](#)
- [19th August: Future Power Supply: New Zealand at a Crossroad](#)
- [15th July: Nuclear Free New Zealand Twenty Years On](#)
- [17th June: Eastern Transport Corridor](#)
- [20th May: Engineering a Career in Overseas Aid](#)
- [15th April: Performance-based Building Control](#)
- [27th March: ESR Annual General Meeting](#)
- [27th March: ESR 19th National Conference](#)
- [18th March: World Water Supply and Sanitation - A Shameful Disgrace!](#)
- [18th March: ESR Auckland Branch Annual General Meeting](#)



### Green Not Grey - The Case For Sustainable Urban Design

Event report available: [Green Not Grey - The Case For Sustainable Urban Design](#)

- **Speaker:** Maggie Lawton - Landcare Research
- **Date:** Thursday 18 November 2004
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

We need to accelerate the growing awareness and application of sustainable design principles in our catchments, sub-divisions and buildings. These principles make sense for environmental, social and economic reasons and the barriers to their application must be addressed and overcome. The presentation will cover some of the global drivers for sustainable design, the multiple benefits from greening our urban environments. It will include a description of Landcare Research's new building at Tamaki, built on sustainable design principles. It will also include the insights that were gained from that design and construction process and some ideas on making sustainable design mainstream. New Zealand, with its rich natural resource base and low population, has no excuse for not being a world leader in sustainable development: we all have a part to play, both in our professional and private lives.

Maggie Lawton moved to Landcare Research in 1995 as General Manager of Environmental Quality overseeing research and consultancy in many aspects of land management and greenhouse gas related science. Her current role is as Company Operations Manager and leading the Land Use Science portfolio.

For further information contact:

Lawrence Carter

Web: [www.ele.auckland.ac.nz/staff/academic/carter/](http://www.ele.auckland.ac.nz/staff/academic/carter/)

Email: [lj.carter@auckland.ac.nz](mailto:lj.carter@auckland.ac.nz)

Phone: 0-9-373 7599 x88177



## Sustainability Review

- **Speaker:** Phil Warbrick - Managing Director, Synergine Group Limited
- **Date:** Thursday 21 October 2004
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

The need to incorporate sustainability principles and practice in all aspects of engineering is becoming increasingly important. With this in mind, there is currently a review of sustainability teaching being undertaken within the Engineering School at the University of Auckland. This review will seek to ensure that sustainability concepts continue to be incorporated appropriately across the School's teaching programmes. A summary of this review process will be outlined and feedback encouraged.

Phil Warbrick is the Managing Director of Synergine Group Limited, an Auckland based consulting group which is involved with a series of sustainability projects and initiatives. Phil also sits on the Advisory Board for the University's Civil and Environmental Engineering Department, and is Chair of the Board's sub-committee on sustainability education.

For further information contact:

Lawrence Carter

Web: [www.ele.auckland.ac.nz/staff/academic/carter/](http://www.ele.auckland.ac.nz/staff/academic/carter/)

Email: [lj.carter@auckland.ac.nz](mailto:lj.carter@auckland.ac.nz)

Phone: 0-9-373 7599 x88177



---

## Meeting Electricity Needs - The Hidden Resource

Event report available: [Meeting Electricity Needs - The Hidden Resource](#)

- **Speaker:** Russell Baillie - Energy Services Engineer, Energy Efficiency and Conservation Authority (EECA), Auckland
- **Date:** Thursday 16 September 2004
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Some recent estimates of future generation needs have focussed on the supply side and ignored the major economic and environmental gains to be had from improvements in energy efficiency. Economic growth and increased energy demand are not inseparable twins! Decoupling these two, as a number of businesses have done, has major national economic and environmental benefits. Policies that promote the widespread adoption of energy efficiency make the demand side an important part of the supply equation.

For further information contact:

Jack Woodward

Email: [ward@ihug.co.nz](mailto:wward@ihug.co.nz)

Phone: 0-9-373 5800



---

## Future Power Supply: New Zealand at a Crossroad

Event report available: [Future Power Supply - New Zealand at a crossroad](#)

- **Speakers:** A panel discussion with Mike Underhill and Bryan Leyland
- **Date:** Thursday 19 August 2004
- **Time:** 7:00pm Drinks, 7:30pm Talk
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

New Zealand is at a crossroad with respect to future power supply. Over the next 20 years we need 5,500 MW of new generation according to one reliable source. If so, we must build 75% of all the capacity we have built in the last 100 years. The primary problem is that generators cannot get at the fuel - water, coal, gas, nuclear, geothermal, etc. that they need. The RMA and Kyoto are the biggest barriers. But even if they could be overcome, most of our best resources are on the wrong side of transmission constraints. We need to know what energy resources we have, their cost, environmental impact and implications for transmission. Then we need a long-term plan that gives us a secure supply at a predictable price.

Mike Underhill is Chief Executive of WEL Networks Ltd and Ex-Chairman of EECA. Bryan Leyland is a Consultant and Director of Leyland Consultants Ltd.

For further information contact:

Jack Woodward  
Email: [ward@ihug.co.nz](mailto:ward@ihug.co.nz)  
Phone: 0-9-373 5800



---

## Nuclear Free New Zealand Twenty Years On

Event report available: [Nuclear-Free New Zealand - Twenty Years On](#)

- **Speaker:** Dr. Robert White - Centre for Peace Studies, University of Auckland
- **Date:** Thursday 15 July 2004
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

This talk will look briefly at the development of the nuclear free policy set in place in July 1984 by the newly elected Labour Government. Events leading up to the enshrining of this policy in law in June 1987 will be considered in more detail, and key developments from then to the present reviewed. Recent proposals by National for modifying the legislation will be discussed, and reasons given for the need to retain our unique Nuclear Free Zone Act unchanged. The talk will conclude with a brief discussion of the future significance and role of our nuclear free status in the light of the current international situation.

Dr. White is a retired nuclear physicist, formerly on the academic staff of the University of Auckland. He has been Director of the University Centre for Peace Studies for most of the time since the Centre opened in 1988. He has made an extensive study of the history of our nuclear free policy, of its encapsulation in legislation, and of how it has operated. He is actively involved in studying developments in the nuclear weapons policies and strategies of the major nuclear powers.

For further information contact:

Lawrence Carter  
Web: [www.ele.auckland.ac.nz/staff/academic/carter/](http://www.ele.auckland.ac.nz/staff/academic/carter/)  
Email: [l.j.carter@auckland.ac.nz](mailto:l.j.carter@auckland.ac.nz)  
Phone: 0-9-373 7599 x88177



## Eastern Transport Corridor

Event report available: [Auckland's Eastern Transport Corridor](#)

- **Speaker:** Ross Rutherford - Transport Planning Solutions
- **Date:** Thursday 17 June 2004
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Ross Rutherford will give an informed talk from an independent transport planning perspective on what is proposed and why. He will discuss the transportation, environmental and social effects and implications of this very ambitious project, and suggest possible changes to it.

Ross was the former Transportation Planning Manager at the Auckland City Council, prior to that was a Senior Transport Planner with the Auckland Regional Council. He has been in Auckland at least 20 years, having come here from South Africa, but is Scottish and an engineering graduate of Leeds University. He is now out on his own as Transport Planning Solutions.

For further information contact:

Lawrence Carter

Web: [www.ele.auckland.ac.nz/staff/academic/carter/](http://www.ele.auckland.ac.nz/staff/academic/carter/)

Email: [lj.carter@auckland.ac.nz](mailto:lj.carter@auckland.ac.nz)

Phone: 0-9-373 7599 x88177

---



## Engineering a Career in Overseas Aid

Event report available: [Engineering a Career in Overseas Aid](#)

- **Speaker:** Kate Medlicott - Programme Manager, Oxfam Water for Survival
- **Date:** Thursday 20 May 2004
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Kate graduated from the University of Canterbury in 1997 with an Honours Degree in Environmental Engineering through the Civil Department. She worked subsequently with Beca Carter in Auckland before taking up consulting appointments with the WHO, UNICEF and UNDP in Laos. She was appointed as the first Programme Manager for Oxfam Water for Survival in October 2003. Kate will speak of her experiences in development work, its frustrations and satisfactions, and what her work with Oxfam will involve.

For further information contact:

Lawrence Carter

Web: [www.ele.auckland.ac.nz/staff/academic/carter/](http://www.ele.auckland.ac.nz/staff/academic/carter/)

Email: [lj.carter@auckland.ac.nz](mailto:lj.carter@auckland.ac.nz)

Phone: 0-9-373 7599 x88177

---



## Performance-based Building Control - Getting the Balance Right

Event report available: [Performance-Based Building Control - Getting the Balance Right](#)

- **Speaker:** Barry Brown - Building Industry Authority
- **Date:** Thursday 15 April 2004
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Over a decade ago, New Zealand introduced a performance-based building control framework, via the Building Act 1991, which (amongst other things) encouraged the building industry to innovate. The "weather-tightness" problem, the resulting "Hunn Report" and Select Committee Inquiry, and a number of compliance-related issues has put that building control system under close public scrutiny. The Government is now revisiting the legislation, via the Building Bill 2003, currently before a Parliamentary Select Committee, and the outcome of this will likely affect engineers (and other building professions) practising in the sector.

Responding to this challenge, therefore, is dependent on the industry as a whole, plus central and local government working together. The challenge for us is to realign the building control system so it properly balances the "encourage innovation" objective with society's reasonable expectations for its building infrastructure long-term.

For further information contact:

Jack Woodward  
Email: [wdward@ihug.co.nz](mailto:wdward@ihug.co.nz)  
Phone: 0-9-373 5800



---

## ESR Annual General Meeting

- **Date:** Saturday 27th March 2004
- **Time:** 5:00pm
- **Venue:** Knox Church Hall, 28 Bealey Avenue, Christchurch

The business of the meeting will be to receive the ESR Annual Reports, items of general business and election of the 2004 Executive Nominations are called for Chairman, Secretary and Treasurer.



---

## ESR 19th National Conference: Resource Wars - The Role of the Professional Engineer

- **Date:** Saturday 27 March 2004
- **Venue:** Knox Church Hall, 28 Bealey Avenue, Christchurch

The ESR Annual Conference theme this year allows an examination of the engineer's role in resource development. 'Resource wars' might sound melodramatic for New Zealand and more suited to a context such as the Middle East, with water as the resource. Recent resource management issues in various parts of New Zealand, however, signal that even if it is not yet 'war', there are certainly battles being engaged. Foreshore and seabed resources, major braided river resources, electricity and transport fuel energy resources, coal and natural gas resources - these are just a few which have been in the media and in the political limelight.

Note that the IPENZ Conference takes place in Christchurch 24-26 March, at the Hotel Grand Chancellor which is at 161 Cashel St. The Newnham Lecture [Wednesday 24th, 7 pm, no charge] features Hunter Lovins, author of the 1999 book, Natural Capitalism, and co-founder of the Rocky

Mountains Institute.

## **PROGRAMME**

### **8:15am Registration**

- 8:45am Opening and welcome

### **9:15am SESSION 1 - Background Position Papers**

- 9:15am Resource scarcity and the big hard questions. John Peet
- 9:45am Ethics and resource scarcity. Gerry Coates
- 10:15am Influencing and making political decisions. George Hooper
- 10:45am Morning tea

### **11:15am SESSION 2 - Energy and Resource Flows**

- 11:15am A systems approach to energy and resource flows. Arthur Williamson
- 11:35am Efficient and effective resource use. Carol Boyle
- 11:55am The rise of a sustainable civilisation from the ashes of the oil empire. Susan Krumdieck
- 12:15pm Workshops
- 12:35pm Reports back
- 12:45pm Lunch

### **1:30pm SESSION 3 - Ocean Resources**

- 1:30pm New Zealand Oceans Policy.
- 1:50pm Foreshore and coast: an iwi perspective. Gerry Coates
- 2:10pm Ocean possibilities and responsibilities.
- 2:30pm Workshops
- 2:50pm Reports back
- 3:00pm Afternoon Tea.

### **3:20pm SESSION 4 - Roundup**

- 3:20pm Recapitulation of reports back. General discussion.
- 4:00pm Conference review.
- 4:15pm Outcomes.
- 4:45pm CONFERENCE ENDS
- 5:00pm ESR Annual General Meeting
- 6:00pm Social time followed by informal ESR dinner.

Please download the [Conference Registration Form](#) (MS-Word file)



---

## **World Water Supply and Sanitation - A Shameful Disgrace!**

Event report available: [Water Supply and Sanitation - the modern disgrace!](#)

- **Speaker:** John La Roche, Director, Water for Survival
- **Date:** Thursday 18 March 2004
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

1.2 billion people, over 20% of the world's population, have no access to clean drinking water and double that number 2.4 billion people have no sanitation at all. Lack of clean drinking water and lack of sanitation kills 3 million children a year. This is a disgrace when the rich world enjoys unprecedented wealth and comfort. What are the problems, and what can be done to meet the World Summit for Sustainable Development 2002 goal of halving the number of people without safe water and adequate sanitation by 2015? Water for Survival is a New Zealand charity, now joined with Oxfam NZ as the Oxfam Water for Survival programme, funds projects for the poorest people in developing countries. It works very closely with the UK charity WaterAid who have developed many techniques to get affordable, sustainable, low costs schemes to the poorest people.

For further information contact:

John La Roche  
Phone: 0-9-528 9759  
Fax: 0-9-528 9752



---

## ESR Auckland Branch Annual General Meeting

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

- **Date:** Thursday 18 March 2004
- **Time:** 7:00pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 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:

Rohan Jayawarden  
Email: [Rohan.Jayawardene@northshorecity.govt.nz](mailto:Rohan.Jayawardene@northshorecity.govt.nz)

