



INGENIUM CONFERENCE

16-18 JUNE 2011

**smart**

planning  
performance  
outcomes

WELLINGTON CONVENTION CENTRE



**INGENIUM**

ENGINEERS FOR PUBLIC ASSETS

*24th annual conference and agm*



**CONFERENCE BROCHURE**

The 24th Annual Conference and AGM of INGENIUM's theme is :

**smart planning,  
smart performance,  
smart outcomes**



Come and learn how your colleagues are using **Smart Planning** and **Smart Performance** to achieve the **Smart Outcomes** that are required in the current environment using the limited resources available to them.

With the recent INGENIUM Conferences each setting a successively higher standard, it has been a great challenge to put this conference together for you. Using the "Smart" approach in our theme, the conference organisers have pulled out all the stops to set another new standard for the INGENIUM Conference.

A wide range of projects is covered by the technical papers and these will be balanced by invigorating keynote speakers. Topics will cover the "bread and butter" issues faced by INGENIUM members such as asset management, underground services and roading, but will also include new topics such as "urban design" and "professional development". The technical tours will show stimulating projects as well as a glimpse of the attractions of the Wellington region.

Our aim is to provide you with an inspiring conference experience, updating you with state of the art knowledge of our profession, and opportunities to network with old friends and to establish new contacts. An exciting social programme has been prepared to relax you at the end of each conference day. A range of partners' tours are arranged to compliment the wide range of individual activities available to partners enjoying Wellington while delegates are at the conference sessions.

We are grateful to our loyal sponsors who continue to support the conference with their time, energy, resources and most of all their people. They make a great contribution to the success of our conference and we appreciate their input.

We are confident you will find the three days in Wellington a rewarding and fun experience and that you will come away full of new ideas to take forward for the future.

**Geoff Marshall**  
Conference Convener



**2011 ORGANISING COMMITTEE:**

- Geoff Marshall** – Technical Services Manager, Porirua City Council
- Braden Austin** – Technical Services Manager, Palmerston North City Council
- Ed Rafferty** – General Manager Business Development, Opus International Consultants Ltd
- Craig McNeilly** – Surfacing Divisional Manager, Fulton Hogan Ltd
- Paul Coles** – Branch Manager, City Care
- Andrew Watson** – Technical Director – Water Supply, Beca
- Byron Roff** – Housing Project Director – Property & Housing, Wellington City Council.



# PROGRAMME

## WEDNESDAY 15 JUNE

7.00pm Pre conference dine around  
(user pays)

## THURSDAY 16 JUNE

7.45am *CONHUR Breakfast and  
registration*

8.45am Opening and Welcome

**Keynote – Hon Bill English**

**Keynote – Bryce Conrad** –  
Importance of Infrastructure  
to Productive Economy.

**Sponsored by OPUS**

10.45am *WAUGH Morning Tea*

11.15am **Steve Tew and Derek Fry** –  
Rugby World Cup 2011: A  
Stadium of Four Million –  
Building a Legacy. **Sponsored  
by MWH**

12.15pm *GOOD EARTH MATTERS  
Lunch*

1.15pm Hynds Technical Papers

3.00pm *PIPEWORKS Afternoon tea*

3.30pm INGENIUM Excellence Awards  
presentation

3.50pm **Keynote – Kelvin Berryman**  
– Achievements in natural  
hazard mitigation in  
New Zealand through  
communication between  
research and its application.

**Sponsored by Aurecon**

4.50pm Hynds Paper of the Year  
announcement

5.00pm *HYNDS Happy Hour*

7.00pm **DOWNER Welcome Function**

10.00pm Close

## FRIDAY 17 JUNE

8.00am *CITY CARE Breakfast*

9.00am Welcome

INGENIUM Excellence Awards

9.35am **Keynote – Eva-Maria Salikhora**  
– Generation Smart

10.15am *Brian Perry Civil Morning tea*

10.45am Technical Sessions

12.35pm *Lunch and tours off site*

7.00pm **HEB Construction Dinner –  
Famous Hollywood Stars**

11.00pm Close

## SATURDAY 18 JUNE

8.00am *Breakfast*

9.00am Welcome

INGENIUM AGM

10.15am *Morning tea*

10.45am AECOM Awards

11.10am IPWEA President's Address

11.25am IPWEAQ Best Paper Winner

11.50am Exhibitor prize announcements

12.10pm *Lunch*

1.10pm Technical Sessions

3.00pm *Afternoon tea*

3.30pm INGENIUM President's Address

3.45pm **Keynote – Warren Mahy** –  
“Getting it in the Can!”

4.45pm Conference Close

5.00pm *CHD Happy Hour*

7.00pm **FULTON HOGAN Conference Dinner  
and INGENIUM Excellence Awards**

Midnight Close

*This programme is correct at time of printing. However the Conference Organising  
Committee reserves the right to amend any component as necessary.*



## KEYNOTE SPEAKERS



### HON. BILL ENGLISH

*Bill English is the Deputy Prime Minister, Deputy Leader of the National Party, Minister of Finance, Minister for Infrastructure and MP for Clutha / Southland. He was first elected to Parliament in 1990 as MP for Wallace, a large rural electorate covering the deep south-west end of New Zealand. Mr English was born in Dipton, Southland, and farmed in the area.*

*He completed a Bachelor of Commerce degree at Otago University, followed by a Bachelor of Arts (Hons) in English Literature at Victoria University in Wellington.*

*Mr English held ministerial posts in education, health, revenue and finance and he was leader of the National Party from October 2001 to October 2003.*



### BRYCE CONRAD

Session Sponsor



*Bryce Conrad is the Assistant Deputy Minister, Programme Operations, at Infrastructure Canada, where he is responsible for the development and implementation of the Infrastructure Stimulus Fund, as well as the Federal Gas Tax and the Building Canada Fund. Bryce is also responsible for the implementation of previous generations of infrastructure funding that are still ongoing, including the Canada Strategic Infrastructure Fund, the Municipal Rural Infrastructure Fund, etc..*

*Bryce has been with Infrastructure Canada since March 2009. Since 2004, Bryce was with Transport Canada, as both the Senior Director and the Director General of Surface Infrastructure Programmes, where he played a major role in the approval and implementation of over \$12B worth of infrastructure investments, under the Canada Strategic Infrastructure Fund, the Border Infrastructure Fund, the Asia-Pacific Gateway and Corridor Initiative, as well as various initiatives under the \$33B Building Canada Plan. Prior to his tenure at Transport Canada, Bryce held successfully more senior positions with the Treasury Board Secretariat, the Privy Council Office, Human Resources Development Canada and the Department of Finance.*

*Bryce holds a Master in Business Administration (University of Ottawa), a Master in Public Administration (Carleton University) and a B.A. (Hon.) from Queen's University.*

### INFRASTRUCTURE: THE CURE TO WHAT AILS YOUR ECONOMY?

Sept 2008 – the world's economic pillars are teetering on the verge of collapse. Sovereign debt is swamping our key economic allies and the credit crisis in the United States is wreaking havoc on our domestic economies. The stock markets are in a free fall and the economic outlook is bleak. The G-20 leaders unite in Washington and chart a course forward to right the economic ship and endure the global recession. Infrastructure investments and stimulus become critical elements of the recovery plan – and in Canada – a partnership between the federal, provincial and local governments is struck and billions of dollars are invested across the country in infrastructure projects within days of the Federal Budget. With the launch and successful implementation of the Economic Action Plan, we have an opportunity to review lessons learned, what worked well, what didn't and what we will do next to ensure that our domestic economy continues to perform at an optimum level.

Session Sponsor



## STEVE TEW

Steve Tew was appointed Chief Executive Officer of the New Zealand Rugby Union in January 2008. He first joined the organisation in 2001 as General Manager, Rugby and in 2003 was appointed Deputy Chief Executive.

As Deputy Chief Executive, Steve Tew was part of the team which delivered New Zealand's successful Bid to host Rugby World Cup 2011 along with a range of other achievements during 2005, including the organisation of the DHL NZ Lions Series, the implementation of the Competitions Review and a string of victories by New Zealand's national rugby teams.

Prior to joining the NZRU, Steve Tew was Chief Executive Officer of one of New Zealand's most successful sporting organisations, the Canterbury Rugby Union and Crusaders Franchise (1996 – 2001). Other career highlights include roles as: General Secretary of The New Zealand Universities Sports Union (1982 – 1987) and General Manager of The Hillary Commission (1990 – 1995).

Steve grew up in Lower Hutt and has a strong rugby background having played club rugby for Hutt Old Boys and Victoria University. He holds a Masters degree in Sports Management from Victoria University.

He was also Chef de Mission for New Zealand teams to the World Student Games in 1987 and 1993.

## RUGBY WORLD CUP 2011 – A STADIUM OF FOUR MILLION

On 17 November 2005 New Zealand won the rights to host Rugby World Cup 2011 following a bid spearheaded by the New Zealand Rugby Union (NZRU), and backed by the New Zealand Government. The bid was built around the theme of a "Stadium of Four Million" and promised a uniquely New Zealand flavoured Rugby World Cup.

Steve Tew, NZRU CEO, will provide insight into the initial bid process, the formation of the organising body RNZ 2011, and the progress towards hosting the largest single event to be held in this country.



## DEREK FRY, WELLINGTON CITY COUNCIL'S RWC 2011 & CITY EVENTS DIRECTOR

Derek Fry has held a variety of senior roles within the Wellington City Council since 1987. He has a background in both the private and public sector ranging from specialist consulting through to Middle East experience with a multi-national company.

Derek was educated at both Lincoln and Victoria Universities in Business Administration and Landscape Architecture.

He is a Senior Management Team Member of the Council's Management Board and has direct responsibility for the City Events Unit and Wellington City Council's preparation, leading up to and including the Rugby World Cup tournament and festival.

## RUGBY WORLD CUP 2011 – BUILDING A LEGACY

The Wellington region will be at the heart of the action during RWC 2011. As host of five pool and two quarter-final matches, the city's vision is to build a legacy, and to have memories and relationships that will last a lifetime. Derek will outline the planning process, stakeholder involvement, relationships and partnerships formed, resources committed, and expected outcomes in the short, mid and long-term.

## KEYNOTE SPEAKERS CONTINUED



**KELVIN BERRYMAN**

Session Sponsor

**arecon**

*Kelvin manages the newly-formed research platform that integrates all of New Zealand's government-funded research in natural hazards. The portfolio ranges from geological and weather-related hazards, integrated natural hazard risk, resilient engineering and infrastructure research, and societal and land-use planning aspects of natural hazard mitigation. Kelvin is a Principal Scientist at GNS Science with over 35 years' experience in geological hazard research and consultancy. Kelvin is one of New Zealand's leading earthquake geologists, with particular expertise in the behaviour of active faults and seismic hazard in the Pacific region. He has carried out probabilistic earthquake and tsunami hazard studies from site specific to the national scale, and he led the NZAID funded project "Tsunami Hazard, Risk and Preparedness", that aims to build the capacity of Vietnamese tsunami and seismic researchers. Recent work has focused on hazard assessments for nuclear facilities in Australia and Japan. Kelvin is also a Principal Investigator in the GEM Faulted Earth - Global Active Fault and Seismic Source Database project.*

**ACHIEVEMENTS IN NATURAL HAZARD MITIGATION IN NEW ZEALAND THROUGH COMMUNICATION BETWEEN RESEARCH AND ITS APPLICATION.**

A presentation of recent New Zealand natural hazard case studies, culminating with the September 2010 Darfield (Canterbury) earthquake. Dr Berryman will also discuss New Zealand's improving resilience to a range of hazards and demonstrate how the lessons learned from recent events provide opportunities for further improvements to our community infrastructure.



**EVA-MARIA SALIKHORA**

*Russian born and just 20 years old, Eva-Maria is on a mission! The professional speaker, author and certified life and family coach plans to improve 10 million adults - youth relationships around the world. Through her travels, writing and work she helps youth and adults bridge the gap of misunderstanding on a daily basis.*

*She has received the most inspirational role model award at The Business Awards, and she has since become the President of the National Speakers Association Wellington chapter.*

**GENERATION SMART**

An educational and insightful presentation about the benefits of younger generations in the workforce. Learn all about what makes them tick, how to use their energy for long-term gain, and what you can do to make sure the company stays in capable hands for years to come. Find out all about these leaders of tomorrow – they have grown up completely in the age of the cell phone and computer, and have a different psychology, culture and productivity that can benefit YOU now and many years onwards!



### WARREN MAHY

*For the past 12 years Warren Mahy has worked in the film, TV and gaming industry within New Zealand and overseas.*

*He has worn many hats including that of an illustrator, concept designer, on-set technician, story board artist, sculptor, and 3d modeller.*

*He is most noted for his contribution to Sir Peter Jackson's trilogy of blockbusters, 'The Lord of the Rings' where he was responsible for assisting in the design and creation of the creatures, armour and weapons. His influence can also be seen in numerous other films, including the remake of King Kong and Andrew Adamson's Narnia series.*

*Warren is currently working in 3d modelling and concept design for the pre-visualisation department at Weta Digital Ltd. Warren grew up in Whakatane, New Zealand, before moving to Wellington and he's a passionate and inspiring speaker.*

### "GETTING IT IN THE CAN!"

Film related industries must think astutely to stay alive and on top of their game. Without forward-planning, budgets would sky rocket and the pot of gold, however deep, would quickly be exhausted. In the development of a film project, having a SMART plan of attack is the most efficient, and in many ways can be the cheapest way, to achieve the desired ends.

From experience of over 15 years as a professional artist including the time spent with Wellington's own 'Weta Workshop' and now 'Weta Digital', Warren will discuss and showcase the creative process and how SMART thinking is utilised.

Warren is passionate about his craft and feels strongly about what Wellington and New Zealand have to offer the audiences of the world. If we continue to keep thinking on our feet and maintain the agile balance between self-indulgent creativity, and what could be dry, soulless film making, we will continue to stand with the giants.



## MASTER OF CEREMONIES

### PIO TEREI

*Pio returns as our Conference MC. He is an accomplished Maori film, television and theatre actor, comedian and Host. His appearances and performances have established him as one of New Zealand's most popular television and radio entertainers. He has twice won Best Comedy Performer at the NZ Film and TV Awards. His series "PIO" has won Best Comedy programme and his show "Te Tutu" has become New Zealand on Air's highest rating comedy programme.*





## TECHNICAL SESSIONS

ABSTRACTS CAN BE VIEWED ON [WWW.INGENIUM.ORG.NZ](http://WWW.INGENIUM.ORG.NZ)

FRIDAY 17 JUNE



### STREAM: WATER AND WASTEWATER

Sponsored by

- ★ **THE INS AND OUTS OF PIPELINE DETERIORATION** – *Jonathan Morris, Senior Asset Management Consultant & Sue Freitag, Principal Scientist, Concrete, OPUS International Consultants*
- ★ **INNOVATIVE DEEP SHAFT WASTEWATER SOLUTIONS** – *David Ward, NZ Water Development Manager, Aurecon New Zealand Ltd*
- ★ **SMART WATER PLANNING FOR A SMARTER SUPER CITY** – *Christine McCormack, Water Systems Specialist, MWH New Zealand and Deborah Corneby, Water Resources Manager, Watercare Services Ltd*

### STREAM: STORMWATER

Sponsored by **aurecon**

- ★ **PROTECTING GREAT LAKE TAUPO – STORMWATER MANAGEMENT FOR FUTURE DEVELOPMENT** – *Roger Stokes, Manager – Development Engineering, Infrastructure Services, Taupo District Council*
- ★ **A SMART SOLUTION TO MANAGING AUCKLAND'S TRANSPORT STORMWATER ASSETS** – *John Tetteroo, Project Manager, GHD*
- ★ **NAPIER'S CROSS COUNTRY DRAIN – SMART DESIGN AND PROCUREMENT DELIVERS A SIGNIFICANT STORMWATER ASSET** – *Garry Macdonald, Business Development Manager and Technical Director, Beca Infrastructure*

### STREAM: ROADING

- ★ **THE RUBY BAY BYPASS: THE PROJECT THAT PUSHED THE BOUNDARIES – THE SMART WAY** – *Joanna Orr, Environmental Manager, Ruby Bay Bypass Project, Downer*
- ★ **SEPTEMBER 4 EARTHQUAKE: SMART PLANNING, RESILIENT ORGANISATIONS AND RESPONSE TO EARTHQUAKE IN CHRISTCHURCH** – *Michael Fulton, Operations Manager, Fulton Hogan*
- ★ **INTELLIGENT STREET LIGHTING** – *Andy Collins, Senior Lighting Consultant, Opus International Consultants*

### STREAM: SMART MIX:

- ★ **NEC – NEW ENGINEERING CONTRACT – THE CASE FOR ITS USE IN NZ – AND SOME WARNINGS** – *Andrew Brickell, Director of Project Management, MWH Asia-Pacific, Auckland*
- ★ **THE SKY'S THE LIMIT. HOW FAR CAN PPP'S SPREAD?** *Duncan Halliwell, Senior Lawyer, Kensington Swan Lawyers*
- ★ **SYSTEMS THINKING APPROACH TO ROADING** – *Patrick Keenan, Maintenance Division Manager, Fulton Hogan*



SATURDAY 18 JUNE

**STREAM: WATER AND WASTEWATER**

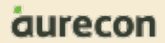
Sponsored by



- ★ **USING ASSET CRITICALITY TO DEVELOP SMARTER MAINTENANCE STRATEGIES FOR WATER AND WASTEWATER ASSETS IN THE RODNEY DISTRICT** – *Rob Green, Senior Consultant, GHD*
- ★ **SMART PROCUREMENT THROUGH A 'DESIGN BUILD OPERATE' CONTRACT** – *Alan Bannatyne, Acting Water and Waste Operations Manager, MWH New Zealand Ltd*
- ★ **PORIRUA CITY COUNCIL MARCHES FORWARD – SMART DEVELOPMENT OF RENEWALS PROGRAMMES** – *Des Scrimgeour, Senior Waters Engineer, Porirua City Council, and Ben Davies, Water and Waste Project Engineer, MWH New Zealand Ltd*

**STREAM: URBAN DESIGN AND DEVELOPMENT ENGINEERING**

Sponsored by



- ★ **A CASE STUDY: A ROLE FOR LAND DEVELOPMENT ENGINEERS** – *Peter Clark, Development Engineering Manager, Western Bay of Plenty District Council*
- ★ **SANDRINGHAM ROAD UPGRADE AND WAIREPO SWAMP WALK** – *John Sia, Graduate Engineer, Opus International Consultants Ltd*
- ★ **KEEPING IT SIMPLE: DELIVERING ON THE CONCEPT OF PLACEMAKING** – *Melissa Clark, Team Leader, GHD*

**STREAM: ASSET MANAGEMENT**

- ★ **IMPROVING INFRASTRUCTURE EFFICIENCY THROUGH BEHAVIOURAL CHANGE** – *Jonathan Reed, Associate, Beca*
- ★ **THE IMPENDING DEMISE OF RISK MANAGEMENT?** *Fendall Hill, Senior Consultant, GHD and Dr Theuns Henning, Senior Lecturer, University of Auckland*
- ★ **SMART PERFORMANCE FOR HAMILTON CITY** – *Emily Botje, City Waters Asset Manager, Hamilton City Council and Cushla Anich, Associate Director, AECOM*

**STREAM: SMART MIX**

- ★ **PALMERSTON NORTH CITY COUNCIL RECYCLING SERVICE: A SMART OPERATION** – *Chris Pepper, Water and Waste Services Manager, City Networks, Palmerston North City Council and Katherine Stannard, Projects Programmer, Technical Services, Palmerston North City Council*
- ★ **CANTERBURY EARTHQUAKE** – *Gerard Cleary, Manager Utilities and Roading, Waimakariri District Council and Gary Boot, Utilities Manager, Waimakariri District Council*
- ★ **FROM GOOD GRADUATES TO ENGAGED ENGINEERS: HOW YOUNG PROFESSIONALS ARE GETTING SMARTER ABOUT PROFESSIONAL DEVELOPMENT AND SOCIAL RESPONSIBILITY** – *Chris McGuire, Graduate Engineer, MWH New Zealand Ltd*



## TECHNICAL TOURS

NUMBERS ARE LIMITED ON EACH TOUR.  
PLEASE REGISTER EARLY.

FRIDAY 17 JUNE DEPARTURES FROM 12.35PM

### TOUR 1 : GOLF – SMART DRIVES

Sponsored by



Expect to use almost every golf club in your bag when you play a round at Miramar Links. But whatever your handicap is, this is a club that combines sport and relaxation in a modern centralized setting. Conveniently located near Wellington International Airport, Miramar Golf Club hosts both a challenging golf course that tames big hitters with its undulating fairways and strategically located bunkers and trees.

Traditionally a great afternoon out with hosts Downer.

### TOUR 2 : SMART TREATMENT

The Seaview Wastewater Treatment Plant serves the 140,000 population of the Hutt City Council, Upper Hutt City Council and associated industry. A milliscreen facility has been treating wastewater at the site since 1984 and a modern \$60M secondary treatment plant was built in 2001 under a 20 year Design Build Operate contract. The site treats an average 54 ML/d with peak wet weather capacity of 3,000 l/s. You will hear about the liquid treatment stream and the sludge treatment stream development plans during this tour.

The Silverstream Landfill is a joint venture between Hutt City and Upper Hutt City Councils and is managed by Hutt City Council. Landfilling activities began on the site in 1973 using what were then considered to be current best practices. During the second part of this tour, you will hear about the different stages of the Landfill development plans.

### TOUR 3 : SMART ENERGY

Sponsored by



Prime Minister John Key switched on the first turbines at this exciting renewable energy project on 29 April 2009. First power at West Wind provides enough clean energy to power the equivalent of approximately 17,000 homes, as 15 turbines connect to the national grid.

This tour will include a drive from the summit to Makara to take a view of West Wind from the road to see turbines on the ridges. The tour will take you through the site to a suitable turbine and sub-station where the Guide will give a short talk on each. There will be an opportunity to get off the coach and to walk around the turbines before being driven to Karori Golf Course for afternoon tea.

Warm clothing and sturdy footwear will be required.

Please note that an alternative option to this tour will be provided if inclement weather descends on the day.

#### **TOUR 4: SMART LIVING**

Porirua City won gold awards in the three categories entered in the 2010 International Awards for Liveable Communities (LivCom Awards) – Whole of City, Environmentally Sustainable Projects, and Bursary Award. Endorsed by the United Nations Environment Programme the LivCom Awards are the world's only awards recognising excellence in the sustainable development of cities.

This tour will visit aspects of Porirua City that featured in the application for the award, including protection of the harbour, “village” developments, CBD revitalisation, Recycling and landfill developments.

More details are available on <http://www.pcc.govt.nz/About-Porirua/Our-City/International-Liveable-Communities-Award-2010>

#### **TOUR 5: SHAKE SMART**

A guided tour of the National Crisis Management Centre which will include presentations from the Ministry of Civil Defence and Emergency Management on our national emergency management arrangements. Then on to Thorndon Critical Area, including NZTA retrofitting of overbridge.

There will be a break for afternoon tea at Capacity's new offices in Petone, including brief presentations from Capacity and Greater Wellington Regional Council.

The tour group will then move on to Petone foreshore as a critical area (especially for bulk water), which will include a discussion on high liquefaction potential. The tour will then move to Hutt Estuary Bridge as a critical lifelines feature. The final stop will be at GeoNet Facility, Avalon. GNS Science will give a briefing on geological monitoring and risk management arrangements.





## PARTNERS PROGRAMME

ALL TOURS DEPART FROM AND RETURN TO THE  
MICHAEL FOWLER CENTRE. MINIMUM AND MAXIMUM  
NUMBERS APPLY FOR EACH TOUR

### THURSDAY, 16 JUNE

- 8.00am CONHUR Breakfast with delegates
- 8.45am Opening and Welcome
- 9.35am Keynote – Politician
- 10.00am Keynote – Bryce Conrad

#### OPTIONAL TOURS AVAILABLE

- 5.00pm HYNDS Happy Hour
- 7.00pm Downer Welcome Function

#### OPTIONAL TOURS THURSDAY

##### BEING SMART IN THE KITCHEN - COCKTAIL AND CANAPÉS DEMONSTRATION LUNCH

Travel to Lower Hutt where you will meet Nikki Van de Laar in her beautiful country-style kitchen.

Nikki will demonstrate how to make, ahead of the big day, all the appetising morsels to warm up the party, and the finishing touches for beautiful presentation. Plenty of variety with plated canapés and platters to share. There will be a cocktail on arrival, bubbly and juice with the class, finishing with tea and coffee and some sweet treats. All recipes are included to take home. Come along and learn some of the tips and tricks of great entertaining!

**DEPARTS:** 11.00 am from Michael Fowler Centre, returns approx 3.00 pm

**INCLUDES:** Transport, Cooking demonstration and light lunch

**COST:** \$95 per person

##### SMART SIGHTS - LOCAL SIGHTS AND MOVIE TOUR

An afternoon tour of Wellington City with a local movie industry twist! Travel up Mt Victoria to the Lookout, enjoy the views and walk amongst the trees of some of the Lord of the Rings scenes. Find where the local movie production studios may be hiding and get some local input on other movies such as The Hobbit, Avatar, The Lovely Bones, The Dambusters etc. Finish the trip with a visit to Weta Cave at Weta Workshop and home via the Miramar Peninsula and South Coast. Movie clips on location and audiovisual displays as you travel will make this a trip to remember.

**DEPARTS:** 1.00 pm from Michael Fowler Centre, returns approx 4.45 pm

**INCLUDES:** Transport and commentary. Walking shoes recommended

**COST:** \$45 per person



## OPTIONAL TOURS FRIDAY

### SMART SECRETS - BEHIND THE SCENES IN TWO TOP KITCHENS

*A rare, behind the scenes tour of two top Wellington kitchens.*

Enjoy two exceptional hidden culinary experiences in a single morning – we take you into the working kitchens of two top kitchens. See, smell, hear and taste the action in two professional kitchens, and share secrets with the chefs.

At Logan Brown, Steve Logan or Chef Shaun Clouston will reveal their compact kitchen amid pre-lunch prep, originally the bank vault. Floriditas Bakery co-owner Julie Clark and Head Baker Mitch share baking expertise, with hands-on options of pastry rolling techniques and ‘flooding’ cakes.

**DEPARTS:** 10:15am from Michael Fowler Centre, returns approx 12 noon

**INCLUDES:** Walking tour and guide, plus take home a tasty gift from each

**COST:** \$84 per person

### BEING SMART WITH OUR CULTURE - STANSBOROUGH WEAVING FACTORY

The Stansborough Weaving Factory uses the rarest natural fibres in the world, creating textiles with a distinctive New Zealand flavour and style on their 100 year old looms. They create products for specialised top end interior stores around the world and produce items for the movie industry including Lord of the Rings and Nania.

This is an inspiring New Zealand family story of passion, determination and tons of enthusiasm - producing the ultimate in Natural Luxury.

**DEPARTS:** 9.30 am from Michael Fowler Centre, returns approx 11.30 am

**INCLUDES:** Transport and factory tour

**COST:** \$40 per person

## FRIDAY, 17 JUNE

8.00am CITY CARE Breakfast with delegates

### OPTIONAL TOURS AVAILABLE

12.45pm Afternoon technical tours depart

5.30pm Tours return to Convention Centre

7.00pm HEB Construction Dinner



**SATURDAY 18 JUNE**

8.00am Breakfast with delegates

**OPTIONAL TOURS AVAILABLE**

- 3.00pm Afternoon tea with delegates
- 3.30pm APWA and INGENIUM Presidents' Address
- 4.10pm Keynote – Warren Mahy
- 5.00pm GHD Happy Hour
- 7.00pm Fulton Hogan Conference Dinner and INGENIUM Excellence Awards



**OPTIONAL TOURS SATURDAY**

**WAIRARAPA'S SMARTEST GARDENS & GREYTOWN SHOPPING TOUR**

Head out of Wellington, over the majestic Rimutaka Ranges and into the rural landscapes of the Wairarapa and onto Assisi Gardens. Enjoy morning tea and a tour of this alpine country garden with native plants, water features and stunning views, where the terrain and climate provide challenges. Lunch (at own cost) will be at the Gladstone Inn, voted 2006's Best Country Hotel, where you can choose from their selection of some "really good country food". Then we travel onto Te Whanga Gardens, where you can tour the long meandering paths at leisure and get lost in nature's beauty.

On the way home there will be a stop at the quaint township of Greytown where you will have time to explore the chic cafes, boutiques, galleries and antique shops. Greytown has retained its delightful colonial village character with many lovingly restored Victorian homes and shops along the main street.

**DEPARTS:** 9.00 am from Michael Fowler Centre, returns approx 4.00 pm

**INCLUDES:** Coach transport and commentary, escorted tours and morning tea at Assisi Gardens

**PLEASE NOTE:** lunch at your own cost

**COST:** \$115 per person

**THE MOJO MAGIC COFFEE EXPERIENCE**

Become a barista - 'Share the magic' of Mojo!

Learn how to extract the perfect espresso shot, how to steam and texture milk and how to make perfect coffee every time. Take part in this "hands on" two hour session in the amazing surroundings of Mojo Coffee Cartel's Roastery, in Historic Shed 13 on Wellington's Waterfront.

Participants will receive a complimentary 75 gm bag of coffee.

**DEPARTS:** 9.30am from Michael Fowler Centre, returns approx 12 noon

**INCLUDES:** Coffee making, tour, a slice of something yummy plus a bag of coffee to take home

**COST:** \$47 per person



## SOCIAL PROGRAMME

*As a registered delegate or accompanying partner we assume you will attend all social functions listed in the Programme (except Wednesday's pre conference dine around). As a courtesy please advise The Conference Team before conference of any functions you will not attend.*

### WEDNESDAY 15 JUNE

#### PRE CONFERENCE DINE AROUND

An opportunity to get together with other delegates arriving early for conference. This is an informal evening – not included in registration fees.

**TIME:** 7.00pm

**VENUES:** Local restaurant / s as recommended by the Organising Committee

**COST:** \$20 non refundable deposit payable with registration. The balance is payable direct to the restaurant. Work on a two course meal costing around \$45.

**TICKETS:** We will assign you to a restaurant and send you the address and details with your pre conference briefing about 10 days before conference.

### THURSDAY 16 JUNE

#### HYNDS HAPPY HOUR



**VENUE:** Wellington Town Hall

**TIME:** 5.00pm – 6.00pm

**INCLUSIONS:** Drinks and canapés

#### DOWNER WELCOME FUNCTION



**VENUE:** Westpac Stadium

**TIME:** 7.00pm – 10.00pm

**DRESS:** Smart casual

**INCLUSIONS:** Food and beverage, entertainment and coach transfers

**ADDITIONAL TICKETS:** \$80 each. Please contact The Conference Team before conference.

SOCIAL PROGRAMME CONTINUED

FRIDAY 17 JUNE

**HEB CONSTRUCTION  
DINNER – FAMOUS  
HOLLYWOOD STARS**



- VENUE:** Te Papa  
**TIME:** 7.00pm – 11.00pm  
**DRESS:** Dress: as your favourite movie star – alternatively Smart/Casual is fine  
**INCLUSIONS:** Welcome drinks and nibbles and time to explore Te Papa before dinner and entertainment.  
**ADDITIONAL TICKETS:** \$90 each. Please contact The Conference Team before conference.

SATURDAY 18 JUNE

**GHD HAPPY HOUR**



- VENUE:** Wellington Town Hall  
**TIME:** 5.00pm – 6.00pm  
**INCLUSIONS:** Drinks and canapés

**FULTON HOGAN  
CONFERENCE DINNER  
AND INGENIUM  
EXCELLENCE AWARDS**



- VENUE:** Wellington Town Hall  
**TIME:** 7.30pm - midnight  
**DRESS:** Semi Formal (jacket and tie)  
**INCLUSIONS:** Pre dinner drinks and canapés, food and beverage, entertainment.  
**ADDITIONAL TICKETS:** \$100 each. Please contact The Conference Team before conference.





## REGISTRATION FEES

INCLUSIVE OF GST

### INGENIUM MEMBER AND ELECTED REP DELEGATES \$1,295

(Also IPWEA and APWA members). Includes attendance at all business sessions, Friday afternoon tours, breakfasts, teas, lunches, social and evening functions as detailed in the programme.



### NEW MEMBER DELEGATES \$1,395

Join INGENIUM now (annual membership is usually \$211 + gst = \$242.65. Pay \$86.96 + gst = \$100 for new members for remainder 11/12).

Includes attendance at all business sessions, Friday afternoon tours, breakfasts, teas, lunches, social and evening functions as detailed in the programme and membership for remainder 11/12.

### NON MEMBER DELEGATES \$1,495

Includes attendance at all business sessions, Friday afternoon tours, breakfasts, teas, lunches, social and evening functions as detailed in the programme.

### ONE DAY \$595

Includes attendance at one day's business sessions, Friday only tours, breakfast, teas, and lunch as detailed in the programme for the selected day. Does not include evening functions.

### PARTNER \$350

Includes Opening and Closing, keynote business sessions, Friday afternoon tours, breakfasts, teas, welcome, social and evening functions as detailed in the partners programme.

### LATE FEE \$99

Registrations due 16 May 2011. Registrations received after this date will incur \$99 late fee.

## REGISTRATION FEES CONTINUED

### HOW TO REGISTER

Register on line at [www.ingenium.org.nz](http://www.ingenium.org.nz) or download a registration form from the conference website and return with your fees to: INGENIUM Conference, The Conference Team, P O Box 20 051, Christchurch 8543, or fax to: 03 359 2602, or email [jacqui@conferenceteam.co.nz](mailto:jacqui@conferenceteam.co.nz)

Cheques should be made payable to 'INGENIUM Conference'. Confirmation of receipt of your registration and payment will be forwarded.

### EARLY REGISTRATION

Your early registration is appreciated. This helps the Organising Committee with planning and ensures the tours and accommodation you select are available.

### SOCIAL PROGRAMME

As a registered delegate or accompanying partner we assume you will attend all social functions listed in the Programme. As a courtesy please advise The Conference Team before Conference of any functions you will not attend.

### REGISTRATION CANCELLATION

A cancellation fee of \$99 will be charged after **16 May 2011**. Thereafter refunds will be at the discretion of the Organising Committee and processed after the Conference. No refunds will be made for late arrival or early departure whatever the cause. Registrations may be reassigned to another person from the same organisation without penalty. Please notify The Conference Team of any changes prior to the Conference.

### CONFERENCE CANCELLATION

If for reasons beyond the control of INGENIUM the Conference is cancelled, registration fees will be refunded **after** deduction of expenses already incurred.

### INSURANCE

Participants carry their own risk for personal injury or loss of property during the conference. INGENIUM and the conference administrators are in no way responsible for any claims concerning insurance. The Conference Organising Committee, INGENIUM, Wellington Convention Centre, Transit Coachlines, Hammonds Coachlines and The Conference Team accept no liability or responsibility for death or illness, or injury / accident to, or financial loss by, any person attending the conference, whatever the cause. Registration will indicate an acceptance of these conditions by the Delegate and / or Partner.

### DISCLAIMER

*The information contained in this registration brochure is correct at time of printing. The INGENIUM 2011 Conference Committee reserve the right to alter or delete items from the programme as circumstances dictate. Changes will be notified on the conference website.*

### FOR FURTHER INFORMATION PLEASE CONTACT

The Conference Team.  
P: 03 359 2613. F: 03 359 2602.  
E: [jacqui@conferenceteam.co.nz](mailto:jacqui@conferenceteam.co.nz)

## INGENIUM

ENGINEERS FOR PUBLIC ASSETS

is defined in the broadest sense) and entries are welcome from any organisations in New Zealand involved in the field of public infrastructure. For the 2011 Awards there will be four categories:

- Physical works projects under \$2 million
- Physical works projects from \$2 and \$10 million
- Physical works projects over \$10 million
- Projects of investigations, reporting systems, processes, etc. AND
- Asset Management Practice.

For categories (a), (b), (c) and (d), in addition to the technical aspect, entries are judged on the following criteria: economics, environmental, social, cultural, consultation and innovation. For category (e), entries are judged on the application of the concepts and processes in the NAMS Manuals.

If you would like to receive the detailed information on the awards, please contact INGENIUM Administration Assistant Gina Calder by email ([admin@ingenium.org.nz](mailto:admin@ingenium.org.nz)). You will need this detailed information in order to enter. Entries close on **Friday 8th April**





## ACCOMMODATION

Special conference rates have been negotiated for delegates at Hotels listed below, all walking distance to the conference venue. To obtain these rates prepayment of a minimum of one night is required with registration. Alternatively your credit card details can be passed to the hotel to secure your booking. Costs quoted are per room, per night based on single or double occupancy and include GST. Cancellations within 30 days will incur a cancellation fee.

*Bookings made **after 20 May** will need credit card details to secure the reservation. All bookings are subject to availability.*

### AMORA HOTEL WELLINGTON

[www.amorahotels.co.nz](http://www.amorahotels.co.nz)

170 Wakefield St (across the road from the conference venue)

**RATES:** \$250.00 (Queen/King)

**RATING:** Deluxe

**FACILITIES:** New luxuriously appointed boutique accommodation. Flat screens, broadband and Sky, business services, telephone, hairdryer, clock radio, ironing facilities, guest laundry. Secure complimentary off street parking.

### JAMES COOK HOTEL

**GRAND CHANCELLOR**

[www.ghihotels.com](http://www.ghihotels.com)

147 The Terrace (approximately 10 minutes walk to conference venue)

**RATES:** \$155.00

**RATING:** Moderate

**FACILITIES:** All rooms offer Wi-Fi, Sky TV, in-house movie system, ironing facilities and 24 hour room service

### IBIS HOTEL

[www.ibishotels.com](http://www.ibishotels.com)

153 Featherston Street (approximately 10 minutes walk to conference venue)

**RATES:** \$109.00 (Single/Twin/Double)

**RATING:** Standard Plus

**FACILITIES:** Rooms include individually controlled air conditioning, tea and coffee making facilities, and broadband wireless internet.

### MUSEUM HOTEL

[www.museumhotel.co.nz](http://www.museumhotel.co.nz)

90 Cable Street (approximately 10 minutes walk to the conference venue)

**RATES:** \$183.34 (Classic Room)

\$206.40 (Harbour Room)

**RATING:** Deluxe

**FACILITIES: CLASSIC ROOM:** Rooms have recently been refurbished and contain a queen size bed, 42" flat screen TV, writing desk, comfortable armchair and ensuite with bath and shower.

**HARBOUR ROOM:** Rooms enjoy a spacious balcony overlooking Te Papa with a view to Wellington Harbour. The rooms contain a king size bed, writing desk, seating area and ensuite with bath and shower.

### QUALITY HOTEL

[www.qualitywellington.com](http://www.qualitywellington.com)

213-223 Cuba Street (approximately 10 minute walk to conference venue)

**RATES:** \$155.00

**RATING:** Moderate

**FACILITIES:** Large, spacious and contemporary rooms with kitchenettes. Kitchenette equipped with microwave, toaster and two hot plates. Iron, hairdryer, TV, phone, 20MG broadband internet included in nightly rate. Queen beds. 24 hour room service. Indoor heated swimming pool, spa and fitness room. Parking off street subject to availability at extra cost.

### CENTRAL CITY APARTMENTS

[www.centralcityhotel.co.nz](http://www.centralcityhotel.co.nz)

130 Victoria Street (approximately 5 minutes walk to conference venue)

**RATES:** \$139.00 (1 bedroom apartment)

\$239.00 (2 bedroom apartment)

**RATING:** Standard

**FACILITIES:** Generous workspace desks, high speed broadband access (flat rates available). LCD TV with Sky channels, kitchenette with microwave and fridge, tea/coffee making facilities, hairdryer, iron and ironing board.

### WEST PLAZA HOTEL

[www.westplaza.co.nz](http://www.westplaza.co.nz)

110-116 Wakefield Street (across the road to conference venue)

**RATES:** \$145.00 (Queen or Twin Room)

**RATING:** Moderate

**FACILITIES:** Located in the central city, adjacent to Wellington Convention Centre and close to Te Papa Museum. Facilities include Sky TV, broadband wireless internet, mini-bar, tea and coffee making facilities and 24 hour room service.



# INGENIUM CONFERENCE

## PLATINUM SPONSOR



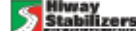
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