

REGISTRATION

SUNDAY 4TH December	4.00 – 6.00 PM	Central Foyer, Level 14, Grand Chancellor Hotel
MONDAY 5TH December	8.00 – 12.00	Central Foyer, Level 14, Grand Chancellor Hotel

Outside of these times, please contact Wendy Gregory.

SOCIAL FUNCTIONS

SUNDAY 4TH December	18.00 – 22.00	Cocktail Party and welcome	Chancellor 4
MONDAY 5TH December	8.30- 9.45	POWHIRI – Traditional welcome and conference opening Refreshments will be available following the traditional welcome	Chancellor 1 – assemble at 8.25 in foyer outside Chancellor 1
TUESDAY 6th December	19.00 – 23.30	Conference Dinner	Chancellor 1

CONFERENCE SCHEDULE

Monday 5th December 2005

	Chancellor 1	Chancellor 5	Christchurch	Wellington
8.30 - 9.45	POWHIRI Opening Address by John Hay, CEO, ESR			
9.45 - 10.45	PLENARY 1			
10.45 - 12.15	SESSION 1	SESSION 2	SESSION 3	SESSION 4
12.15 - 1.15	LUNCH - CHANCELLOR 4			
1.15 - 3.15	WORKSHOP 1	WORKSHOP 2	SESSION 5	
3.15 - 3.30	BREAK - CHANCELLOR 4			
3.30 - 5.30	WORKSHOP 1 CONT	WORKSHOP 2 CONT	SESSION 6	

Tuesday 6th December 2005

	Chancellor 1	Chancellor 5	Christchurch	Wellington
9.00 - 10.30	PLENARY 2			
10.30-10.45	BREAK - CHANCELLOR 4			
10.45 - 12.15	POSTERS	WORKSHOP 3		
12.15 - 1.15	LUNCH - CHANCELLOR 4			
1.15 - 3.15	SESSION 7	WORKSHOP 4	SESSION 8	SESSION 9
3.15 - 3.30	BREAK - CHANCELLOR 4			
3.30 - 5.30	SESSION 10 NOTE: This session must finish at 5.00 to allow room to be reset for Conference Dinner.	WORKSHOP 4 CONT	SESSION 11	SESSION 12

19.00 – 23.45 CONFERENCE DINNER CHANCELLOR 1

Wednesday 7th December 2005

	Chancellor 1	Chancellor 5	Christchurch	Wellington
9.00 - 10.30	PLENARY 3			
10.30 - 10.45	BREAK - CHANCELLOR 4			
11.00 - 12.30	PLENARY 4			
12.30 - 1.30	LUNCH - CHANCELLOR 4			
1.30 - 3.00	SESSION 13	SESSION 14	SESSION 15	SESSION 16
3.00 - 3.30	CONFERENCE CLOSES WITH REFRESHMENTS CHANCELLOR 4			

PLENARIES

All in Chancellor 1

Plenary 1 Monday 5th December 2005, 9.45 – 10.45

DR MORGAN WILLIAMS

New Zealand Parliamentary Commissioner for the Environment.

Tilling the socio/political landscapes of systems thinking; reflections on actions for traction

Plenary 2 Tuesday 6th December 2005, 9.00 – 10.30

DR. GABRIELE BAMMER

National Centre for Epidemiology and Population Health, The Australian National University and Hauser Center for Nonprofit Organizations, Harvard University.

Is it Time to Move from Systems Thinking and Complexity Science to Integration and Implementation Sciences?

Plenary 3 Wednesday 7th December 2005, 9.00 – 10.30

DR KEPE MORGAN

University of Auckland

Systems thinking, complexity science, and the indigenous paradigm

Plenary 4 Wednesday 7th December 2005, 11.00 – 12.30

DR ROGER ATTWATER,

Blue Mountains World Heritage Institute.

Managing resilience in landscapes and personal praxis

WORKSHOPS

Workshop 1 Monday 5th December 2005, 1.15 – 5.30, Chancellor 1

DAVID SNOWDEN
Cynefin Centre for Complexity, UK

and

BRUCE MCKENZIE
Systemic Development Institute, Australia

Soft Systems and Sense-making

Workshop 2 Monday 5th December 2005, 1.15 – 5.30, Chancellor 5

JIM SHEFFIELD
University of Auckland

Systemic Knowledge and the V-Model

Workshop 3 Tuesday 6th December 2005, 10.45-12.15, Chancellor 5

MARY-ALICE ARTHUR
SOAR

World Cafe

Workshop 4 Tuesday 6th December 2005, 1.15 – 5.30, Chancellor 5

BRIAN DONALDSON
Donaldson Associates

and

SHANKAR SANKARAN
Southern Cross University

Project Management (Applying Complexity Principles)

POSTERS

Tuesday 6th December 2005, 10.45 –12.15, Chancellor 1

Interdisciplinary Research: A Non-Social Scientist's Perspective

JOHANNA SUZE VETH

*Institute of Environmental Science and Research, Private Bag 92-021, Auckland,
New Zealand*

IDK, From Identification to Dissemination of Knowledge

STIG C HOLMBERG

Mid Sweden University, 83125 ÖSTERSUND, Sweden
and

LENNART SUNDBERG

Knowledge Activation Group Ltd, Box 3103, 13603 HANINGE, Sweden

Assessing Sustainable Urban Development Using System Dynamics:

The Case of New Zealand's Urban Water Systems

INES WINZ

*University of Auckland, Tamaki Campus 723.312, 200 Morrin Rd., Glen Innes,
Auckland, New Zealand*

Multi-Modal Systems Design of a Master of Management and Leadership Degree

J. D. R. DE RAADT

and

VERONICA D. DE RAADT

*Institute for Management and Social Systems, 2 Inglis Street, Box Hill North VIC
3129, Australia*

An Agent Based Model for Predicting Community Reaction to Regulatory or Planning
Impact Assessments: The Theoretical Background to a Research Proposal

SUSANNE J TEPE

and

TIM HASLETT

Department of Management, Monash University, Caulfield, Australia

CMC, Computer Aided Mastering of System Complexity

STIG C HOLMBERG

Mid Sweden University, 83125 ÖSTERSUND, Sweden

Water in the Waimea Plains

ANNABEL AHURIRI-DRISCOLL, JINNY BAKER, JEFF FOOTE, JAN GREGOR,
WENDY GREGORY, MARIA HEPI, GERALD MIDGLEY, ANN WINSTANLEY

and

DAVID WOOD

*Institute of Environmental Science and Research, PO Box 29-181, Christchurch, New
Zealand*

SESSIONS AND PAPERS

Session 1 Monday 5th December 2005, 10.45 – 12.15, Chancellor 1

From Policy to Practice

RICHARD WHATMAN

New Zealand Department of Labour

KAREN WONG

New Zealand Department of Labour

ROBERTA HILL

*Centre for Research on Work, Education and Business (WEB Research), Wellington
New Zealand*

PHILLIP CAPPER

*Centre for Research on Work, Education and Business (WEB Research), Wellington
New Zealand*

KEN WILSON

*Centre for Research on Work, Education and Business (WEB Research), Wellington
New Zealand*

Hard and Soft Projects in the NSW Public Sector

LYNN CRAWFORD

*University of Technology, Sydney, Room 500, Building 6, Level 5, 700 – 730 Harris
Street, Ultimo, 2007, Sydney, Australia*

JULIEN POLLACK

*University of Technology, Sydney, Room 500, Building 6, Level 5, 700 – 730 Harris
Street, Ultimo, 2007, Sydney, Australia*

KERRY COSTELLO

*University of Technology, Sydney, Room 500, Building 6, Level 5, 700 – 730 Harris
Street, Ultimo, 2007, Sydney, Australia*

Making Worker Democracy Work: Systemically Complex or Merely Complicated?

SYLVIA M. BROWN

Scott Bader Commonwealth Ltd., Wollaston, Northamptonshire, NN29 7RL

Session 2 Monday 5th December 2005, 10.45 – 12.15, Chancellor 5

Engineering Curriculum in Higher Education: Systemic Challenges to Building Better Bridges

DON HOUSTON

*Senior Lecturer, Institute of Technology and Engineering, Massey University, Private
Bag 11222, Palmerston North, New Zealand*

Improved Performance at the Edge of Chaos: Evidence from a Simulation of a Kanban System

TIM HASLETT

Department of Management, Monash University, Caulfield, Victoria 3145

An Action Research Oriented Systemic Framework for the Evaluation of Rural Telecommunications Infrastructure

T. NEPAL

Durban Institute of Technology, P O Box 1334, Durban, South Africa, 4000

D. PETKOV

Eastern Connecticut State University, Willimatic CT 06226, USA

Session 3 Monday 5th December 2005, 10.45 – 12.15, Christchurch Boardroom

Systemic Planning: Dealing with Complexity by a Wider Approach to Planning

STEEN LELEUR

Decision Modelling Group, Building 115, Centre for Traffic and Transport (CTT)

Technical University of Denmark, DK-2800 Lyngby, Denmark

A Multimethodology Approach to Understanding Complex Systems: An Application of Stakeholder and Systems Thinking Frameworks to The New Zealand Student Loan Scheme

GARRY D TANSLEY

Victoria Management School, Victoria University of Wellington, PO Box 600,

Wellington, New Zealand

The Stakeholders and Governance of the Royal Opera House, London

LAWRIE REAVILL

Hon. Visiting Fellow, Cass Business School, City University, London

106 Bunhill Row, London EC1Y 8TZ UK

Session 4 Monday 5th December 2005, 10.45 – 12.15, Wellington Boardroom

Modeling Social Systems: A Case for Focusing on Purpose

J. POURDEHNAD

Ackoff Center for the Advancement of Systems Approaches (ACASA),

University of Pennsylvania, Towne Bldg, Philadelphia,

PA 19104-6315, USA

G. BHARATH

Ackoff Center for the Advancement of Systems Approaches (ACASA),

University of Pennsylvania, Towne Bldg, Philadelphia,

PA 19104-6315, USA

K. MAANI

School of Business & Economics, University of Auckland, Auckland, PB 92019,

New Zealand

H. SEDEHI

Faculty of Communication Science, University of Rome, "La Sapienza", Rome

(ITALY)

The Role of 'Waste' in Complex Organizations

KURT RICHARDSON

Institute for the Study of Complexity and Emergence, Massachusetts, USA.

The Habermasian Inquiring System and Group Support Systems

JIM SHEFFIELD

University of Auckland

Session 5 Monday 5th December 2005, 1.15 – 3.15, Christchurch Boardroom

The Use of Total Systems Intervention in an Action Research Project: Results and Implications Arising from Practice

JOHN MOLINEUX

Department of Management, Monash University, 8 Churchill Close, Murrumbeena, Victoria, Australia. 3163.

TIM HASLETT

Department of Management, Monash University

An Approach to Modelling the Behaviour of Aircraft Crews as a Socio-Technical System

DAVID HARRIS

Systems Engineering and Evaluation Centre, University of South Australia

SERGEY NESTEROV

Systems Engineering and Evaluation Centre, University of South Australia

An Extension and Application of System of Systems Methodology

JIANMEI YANG

Business School, South China University of Technology, Guangzhou, P.R.China

ZHENG HE

*Transportation and Communications College, South China University of Technology
Guangzhou, P.R.China*

Using Stability to Manage the Instability of Organisational Change

ROD SARAH

*Monash University Campus Life, Monash University, C/- 16 Miles St
Clayton. Victoria 3170, Australia*

TIM HASLETT

Department of Management, Monash University

Session 6 Monday 5th December 2005, 3.30 – 5.30, Christchurch Boardroom

The Link Between Complex Human Systems, the Viable Systems Model and
Deterministic Complexity

SEAN DEVINE

*Victoria Management School , Victoria University of Wellington, PO Box 600,
Wellington, New Zealand*

A Systems Approach to Security

MATTHEW WARREN

School of Information Systems, Deakin University, Geelong, Victoria, Australia, 3

WILLIAM HUTCHINSON

*School of Computer and Information Science, Edith Cowan University,
Mt Lawley, Western AUSTRALIA, 6050.*

Session 7 Tuesday 6th December 2005, 1.15 – 3.15, Chancellor 1

Remembering C. West Churchman (1913-2004): Lessons in Epistemology

JOHN P. GIGCH

Professor Emeritus, California State University

Rescuing the Enlightenment from Itself: implications for addressing democracy and 'the enemies within'

JANET MCINTYRE-MILLS

DOUG MORGAN

Dialectical Thinking and Systems Thinking: Contributions from Adult Development

PAUL W.B. ATKINS

*Faculty of Economics and Commerce, The Australian National University, Canberra
ACT 0200*

KEITH JOHNSTON

*Faculty of Economics and Commerce, The Australian National University, Canberra
ACT 0200*

Power and Organisation a Complexity Approach

GAVIN RITZ

PO Box 38817, Howick, Auckland, New Zealand

Session 8 Tuesday 6th December 2005, 1.15 – 3.15, Christchurch Boardroom

Complexity Challenges of Regional Planning and Design

VIVECA ASPROTH

STIG C HOLMBERG

ANITA HÅKANSSON

Working at the Interface between Systems and Complexity Thinking: Insights from a
Market Access Design Project for Poor Livestock Producers

ROBERT WOOG

ROBERT CAVANA

ROGER ROBERTS

ROGER PACKHAM

Using SSM to Explore Supply Chain Relationships for a Small Wine Producer: An
Interpretive Case Study

Ann Monday

School of Management University of South Australia, Adelaide, Australia

TREVOR WOOD-HARPER

School of Informatics, University of Manchester, UK

Session 9 Tuesday 6th December 2005, 1.15 – 3.15, Wellington Boardroom

Copernicus and the All Blacks: Introducing Environmental Engineering Students to Systems Approaches

DON HOUSTON

Senior Lecturer, Massey University, Private Bag 11222, Palmerston North, New Zealand

What Works in Reforming Education? The Argument for a Complex and Loosely Coupled Systems Approach

CHRIS GOLDSPINK

Visiting Research Fellow, University of Technology Sydney, Australia.

Learning about Information Systems Development Methodologies: Science or Liberal Education?

DAVID A BANKS

*University of South Australia, School of Computer and Information Science
City West campus, Adelaide SA 5001*

TREVOR WOOD-HARPER

Manchester University, School of Informatics

The Complexity of Quality in Higher Education Illuminated by Boundary Critique and Primed for Total Systems Intervention

SHELLEY PAEWAI

Massey University, New Zealand

Session 10 Tuesday 6th December 2005, 3.30 – 5.00, Chancellor 1

NOTE: This session must finish at 5.00 to allow room changes.

The Fundamental Nature of Systems Engineering

STEPHEN C COOK

Systems Engineering and Evaluation Centre, University of South Australia, Mawson Lakes, SA, 5095

TIMOTHY L J FERRIS

Systems Engineering and Evaluation Centre, University of South Australia, Mawson Lakes, SA, 5095

Organizational Knowledge & Autopoiesis: Implications for Knowledge Management

ROBERT KAY

*Department of Information Systems, Faculty of Information Technology
University of Technology, Sydney, PO Box 123, Broadway, NSW, 2007, Australia*

CHRIS GOLDSPIK

Visiting Research Fellow, University of Technology Sydney, Australia.

Modeling an Agile Web Maintenance Process Using System Dynamics

XIAOYING KONG

Level 24, Building 1, Faculty of Engineering, University of Technology, Sydney, P.O. Box 123, Broadway, 2007, NSW, Australia

LI LIU

Department of Civil Engineering, University of Sydney, NSW, 2006, Australia

DAVID LOWE

*Faculty of Engineering, University of Technology, Sydney,
P.O. Box 123, Broadway, 2007, NSW, Australia*

Session 11 Tuesday 6th December 2005, 3.30 – 5.30, Christchurch Boardroom

The Role of Non-Instrumental Adaptive Networks in the Evolution of a Sustainable World Community

ELAINE HARTLEY

*Swinburne University, Faculty of Life and Social Sciences, PO Box 218
Hawthorn VIC 3122, Australia*

The Emergence of Sustainable Communities: The Potential of a Complex Systems Approach in Planning for Local Sustainability

CSABA PUSZTAI

*Department of Environmental Science and Policy, Nador u. 9-11, Budapest 1051,
Hungary*

Social Relationships in Landscape Systems: Identifying Values and Variables that Drive Social Interactions

ANGELA WARDELL-JOHNSON

Doctoral Researcher, Science and Engineering, Murdoch University, Perth, Western Australia

A Study of the Complexity of Thinking and Consciousness Required to Sustainably 'Manage' the Environment

KEITH JOHNSTON

National Graduate School of Management, Sir Roland Wilson Building 120

The Australian National University, Canberra ACT 0200, Australia

PAUL W.B. ATKINS

Business and Information Management, The Australian National University

Session 12 Tuesday 6th December 2005, 3.30 – 5.30, Wellington Boardroom

ICT-Enabled Communication in the New Zealand Family Court: A Soft Systems Study

KAY FIELDEN

ICT-Enabled Communication in the New Zealand Family Court: A Soft Systems Study, Unitec New Zealand, Private Bag 92025, Auckland

JILL GOLDSON

ICT-Enabled Communication in the New Zealand Family Court: A Soft Systems Study, Unitec New Zealand, Private Bag 92025, Auckland

Reflecting on Boundaries in Statutory Child Welfare Programmes: An Example of Critical Systems Thinking in Practice

SUZANNE REGAN

Senior Research Fellow, Department of Work, Organisation and Technology. The Management School, Lancaster University

DAVID THORPE

Professor of Applied Social Science, Department of Applied Social Science Lancaster, University

Creating systemic difference for ethical governance

JAE EON YU

An Examination of the Interactions of the Three Main Traditional Maori Tribal Groups of the South Island of New Zealand, Viewed as Complex Adaptive Systems

VICTOR R D MACGILL

17 Danube Street, Vauxhall, Dunedin 9001, New Zealand

Session 13 Wednesday 7th December 2005, 1.30 – 3.00, Chancellor 1

From Onto-Syntactic to Phenomeno-Semantic Complexity: A Foundation for the Management of Managerial Complexity

DAREK M. ERIKSSON

Information Technology & Media, Mid Sweden University, Sweden

Complexity Theory in Five Main Systems Theory Streams

MATJAZ MULEJ

professor emeritus (systems and innovation theory)

University of Maribor, Faculty of Economics and Business

SI-2000 Maribor, P.O.Box 142, Slovenia

Methodology Use as Language Games

JORGE VÉLEZ-CASTIBLANCO

Victoria Management School, Victoria University of Wellington

PO Box 600, Wellington - New Zealand.

Session 14 Wednesday 7th December 2005, 1.30 – 3.00, Chancellor 5

Mutual Empathy, Ambiguity and the Implementation of Electronic Knowledge Management within the Complex Health System

MARTIN ORR

Consultant Psychiatrist

Clinical Director Information Services Waitemata District Health Board

North Shore Hospital, Private Bag 93-503, 124 Shakespeare Road

Takapuna, Auckland New Zealand

SHANKAR SANKARAN

Complexity Challenges of Critical Situations Caused by Flooding

VIVECA ASPROTH

Mid Sweden University, 83125 ÖSTERSUND, Sweden

ANITA HÅKANSSON

Mid Sweden University, 83125 ÖSTERSUND, Sweden

A Complexity Perspective on Work with Offenders and Victims of Crime

VICTOR R D MACGILL

17 Danube Street, Vauxhall, Dunedin 9001, New Zealand

Session 15 Wednesday 7th December 2005, 1.30 – 3.00, Christchurch Boardroom

Complex Systems and the Conjunctive State

WILLIAM H. NEWELL

Professor, School of Interdisciplinary Studies, Western College Program, Miami University,

Oxford, Ohio 45056

JACK W. MEEK

Department of Public and Health Administration, College of Business and Public Management, University of La Verne, 2220 Third Street, La Verne, CA 91750

Complexity Enlivened: Researching Human Life Dynamics *In Vivo*

VLAD DIMITROV

University of Western Sydney

ROBERT WOOG

University of Western Sydney

The Allocation of Complexity

JASON POTTS

School of Economics & ACCS, University of Queensland, Q4072, Australia.

KATE MORRISON

School of Economics & ACCS, University of Queensland, Q4072, Australia.

JOSEPH CLARK

School of Economics & ACCS, University of Queensland, Q4072, Australia.

Session 16 Wednesday 7th December 2005, 1.30 – 3.00, Wellington Boardroom

Combining Systems Thinking with Theory of Constraints: Senge meets Goldratt

VICKY MABIN

JIM COX

JOHN DAVIES

Construction Project Failures: Towards Systems Thinking Strategies For Improving The Construction Delivery Process

GANESAN (SIVA) REDDY

Associate Director and Head of department; Department of Construction Management and Quantity Surveying, Durban Institute of Technology

THEO N ANDREW

Executive Dean; Faculty of Engineering & the Built Environment, University of Johannesburg

The Ever-changing Landscape of Emerging Industry: A Case Study of E-learning Industry in Taiwan

STEPHEN D. TSAI

Professor Department of Business Management, National Sun Yat-Sen University, Taiwan

WEN-HWA SU

Doctoral student, Department of Business Management, National Sun Yat-Sen University, Taiwan

HONG-QUEI CHIANG

Doctorial Candidate Department of Business Management, National Sun Yat-Sen University, Taiwan

BLUE T.T. LAN

Doctor of Business Management, National Sun Yat-Sen University, Taiwan