

# Celebrating Australian Talent

## 19th ISS Institute Fellowship Awards



ISS Institute Board Members and 2009 Fellowship winners

### Superior Pathways to Business Growth

#### Overseas Skills Acquisition Plan (Fellowship Program)

'Fellowship' is a strategic marketing term to enable us to 'open' doors overseas that may not otherwise be accessible. Moreover, we aim to keep those 'doors' open for future Fellowships and projects. Fellowships encompass research to identify **skills deficiencies**, and an international travel program. Fellows under ISS Institute's Mentoring Program write a report, conduct activities and events to ensure experiences gained overseas are passed on - the multiplier effect.

On Tuesday 17<sup>th</sup> November 2009 at the RACV Club, Level 17, 501 Bourke Street, Melbourne, 23 Fellowships were awarded to talented Australians and international Fellows. They were awarded with the generous support and funding by Skills Victoria • AgriFood Skills Australia • City of Melbourne • Construction and Property Services Industry Skills Council • RMIT University • The George Alexander Foundation • The Pratt Foundation • William Angliss Institute of TAFE.

MC, **Ms Noel Waite** AO, ISS Institute and Chairman introduced the speakers. In order of presentation: **Mr Mark Bennetts**, General Manager, Club and Resort Services, RACV Club; **Sir James Gobbo** AC, CVO, Patron in Chief, ISS Institute;

**Mr Brandon Gien**, General Manager, Corporate Services, Standards Australia (guest speaker); **Ms Carolynne Bourne** AM, CEO, ISS Institute and **Mr Adam Voak**, '08 Skills Victoria/ISS Institute TAFE Fellow.



Business    Industry    Supporters    Sponsors



Government    Regional    Firms    Commerce



Rural    Peak Bodies    Industry    Australiawide





**City of Melbourne/ISS Institute International Fellowship**  
Sponsored by City of Melbourne

**International Fellow**  
**Professor Masao Fukuhara**



Landscape architect and Professor at Osaka University, Arts – Environmental Design School; winner at the prestigious Chelsea Flower Show, UK and designer of gardens within traditional and contemporary settings in Japan and internationally.

Masterclasses will focus on taking the principles and elements of Japanese Landscape Design to encompass Environmental Design then to transpose those understandings into settings suitable for our geology, climate, lifestyle and architecture. Taking up the principles, elements and practical skills in Japanese Landscape Design together with Environmental/Sustainable Design – the elements of space, movement, rhythm, contrast, harmony, water, sculptures, natural stone and materials such as bamboo, plantings (size, colour, texture, etc) as well as pavilions, outdoor rooms, bridges and lighting (such as lanterns).

The Fellowship program will run for two weeks in May 2010. In addition to the masterclass/workshops, in our 'Industry Links' program, there will be ample opportunity to share learnings through activities such as dinner, lecture, seminar or site visits.

**The Pratt Foundation/ISS Institute Overseas Fellowships**  
Supported by The Pratt Foundation

**Amy Wai Man Chan**  
Architect  
Heritage Victoria



**Craig Day**  
Director  
Spray Safe  
and Save Pty Ltd  
New South Wales



**Matthew Gurn**  
Marine Fitter  
South Australian  
Maritime Museum



**Ricky Milnes**  
Plumbing  
Trade Teacher  
Northern Melbourne  
Institute of TAFE



**Heritage • Timber Skill Deficiencies**  
Environmental sustainability in timber heritage • Comparing the applications of various conservation charters within specific cultural circumstances • Appropriate use of traditional carpentry – equipment, techniques and materials selection • Accurately diagnose problems with historic timber structures and specify appropriate conservation procedures

**Proposed Destination**  
Norway

**Agriculture Skill Deficiencies**  
Evaluate the national sprayer testing service in the UK and its ability to be integrated into practical training of chemical applicators • Analyse environmental frameworks and legislation used in the European Union • Mitigate issues of chemical spray drift and off-target movement of pesticides

**Proposed Destination**  
United Kingdom

**Heritage • Maritime Skill Deficiencies**  
Conservation of iron ships • Treating iron hull plating and surface coating of iron ships • Environmental controls and preserving vessels on dry land • Conservation project management Techniques for the analysis of the chemical properties of different types of metals used in ships and related objects • Testing technologies for the degradation and tolerances of different types of metals

**Proposed Destination**  
United Kingdom

**Environment • Plumbing Skill Deficiencies**  
Analyse the particular uses for membrane filtration in industry, agriculture and domestic plumbing • Differentiate the methods, equipment and levels of technology to the various applications • Educate stakeholders and employees in membrane filtration technology • Analyse strategies to educate the general community in the economic and environmental advantages of the technology

**Proposed Destination**  
Netherlands

**Skills Victoria (TAFE)/Italy (Veneto)**

**ISS Institute Fellowships**

Sponsored by Skills Victoria, Victorian Government

**Mary Miceli**

Design Educator  
Swinburne University  
of TAFE



**Trudie Orchard**

Manager  
Textile Testing Services  
RMIT University (TAFE)



**Sustainable Signage  
Skill Deficiencies**

Identify and differentiate sustainable materials for environmental graphics/signage for indoor and outdoor applications • Usage of new materials such as polymers, assemblage and 'green' printing techniques on materials other than paper • Skills in the appropriate application of LED technologies

**Fashion  
Skill Deficiencies**

Systems and methods of evaluating sustainability of textile materials • European based quality assurance systems • Compare retail garment and fabric quality assurance systems • Develop links with textile testing institutions and appraise relationships between apparel retail suppliers and testing authorities eg nanotechnology

**Proposed Destination**

Italy

**Proposed Destinations**

Veneto Region, Italy and France

**ISS Institute/RMIT University Fellowship**

Sponsored by RMIT University

**Inna Konopov**

Teacher, School of Fashion and Textiles  
RMIT University (TAFE)



**Textiles**

**Skill Deficiencies**

Evaluating and assessing advanced fibres, yarns, fabrics for advanced protective textiles and clothing • Latest testing methods and protocols • Advanced protective fabrics for extreme environments • Performance requirements of protective clothing

**Proposed Destination**

USA

**ISS Institute/Skills Victoria**

**(Design) Fellowship**

Sponsored by Skills Victoria  
Victorian Government

**International Fellow**

**Professor Arturo Dell'Acqua Bellavitis**

Architect, Professor and Direttore del Dipartimento INDACO (Industrial Design, Arts, Communication, Fashion), Politecnico di Milano • Professor Bellavitis is recognised internationally as one of Italy's pre-eminent master designers • Vice-president of the Triennale Foundation of Milan and President of the Design Museum Foundation • Supervises and teaches - "Design Management" - Design Strategies and Technological and Prototyping, Politecnico di Milano and Bocconi University • European Union - Member of the Cultural Committee of the European Union for the arrangement of a university European network on Design problems • Undertakes research, works internationally from Helsinki, Orleans, Barcelona, Montreal, Oslo, Sao Paolo, Athens, London, Glasgow, Berlin to Buenos Aires • Scientific; writes papers • Events such as 'Design for Italian Historical and Cultural Heritage', Como



**Fellowship Program**

As a design practitioner and educator, Professor Bellavitis brought a unique insight into the opportunities design excellence can bring to business in the current challenging economic climate through a series of 'Design Masterclasses' hosted at Swinburne University of Technology, Faculty of Design



This award was presented by David Wittner, ISS Board member and Secretary, to Professor Bellavitis at the **Excellence in design as a whole-of-business tool** industry luncheon hosted by the City of Melbourne

**AgriFood Skills International Fellowship**

Sponsored by AgriFood Skills Australia

**Fiona Chambers**  
Proprietor  
Fernleigh Free-Range  
Victoria



**Helen Newell**  
Trade/Investment Officer  
Department of  
Employment, Economic  
Development and  
Innovation  
Q'land Government



**William Angliss Institute/  
ISS Institute Fellowship**

Sponsored by William Angliss Institute

**Vanessa Kearney**  
Senior Educator,  
William Angliss Institute



**Farming - Pigs  
Skill Deficiencies**

Best practice in free-range piggeries in which sows farrow outdoors • Managing sows in a free-range extensive system, without using stalls • Effective marketing strategies • Understanding European and USA legislative context

**Proposed Destination**  
United Kingdom, USA

**Agribusiness  
Skill Deficiencies**

Securing current market intelligence and supply chain mapping for the Agrifood Industry • Conducting research on agribusiness supply chains relating to products identified as being suited to UK and EU markets • Gain in-market skills in facilitating international partnerships and supply chain networks

**Proposed Destinations**  
United Kingdom and Europe

**Tourism • Hospitality  
Skill Deficiencies**

Analysis of the resort industry and business • International trends emerging for qualified multi-skilled staff • Growth opportunities in the wellness, alpine and water recreation sectors of international resort markets

**Proposed Destinations**  
USA and Canada

**International Building  
and Construction Fellowship**

Sponsored by Construction  
and Property Services Industry Skills Council

**Gerard Healey**  
Engineer  
ARUP



**Tomi Winfree**  
Project Manager/  
Industry Trainer  
National Centre  
for Sustainability  
Swinburne University  
of Technology



**Construction  
Skill Deficiencies**

Identification and classification of practical issues associated with integrated building systems during construction, commissioning, tuning and maintenance • Physical, functional and psychological interfaces between building systems • Design options and evaluation methods for more effectively integrating building systems

**Proposed Destinations**  
UK, USA and the Netherlands

**Sustainability  
Skill Deficiencies**

Whole system approaches to sustainable housing • Emerging technology trends for next generation carbon positive homes • International strategies for sustainable communities • Next generation of sustainable home renovations and domestic building

**Proposed Destination**  
USA



**Skills Victoria (TAFE)/ISS Institute Fellowships**

Sponsored by Skills Victoria, Victorian Government

**Michael Anderson**

Project Manager  
Water Industry  
Chisholm Institute



**Bayden Clissold**

MTA Course  
Co-ordinator  
Wodonga Institute  
of TAFE



**Rachel Halton**

Teacher  
Textiles  
RMIT University (TAFE)



**Latarnie McDonald**

Horticulture Teacher  
Bendigo Regional  
Institute of TAFE



**Sustainability • Water  
Skill Deficiencies**

Construction techniques for water assets • Storm water re-use • Energy conservation in treatment plants • Design and planning of water distribution assets • Water efficiency and the impact of climate change

**Proposed Destinations**

Israel, Netherlands and Spain

**Automotive • Motor Sport  
Skill Deficiencies**

Trends analysis related to technology, componentry, business practices, environmental protection measures, safety equipment and risk management Identify and determine methods and technologies related to green sustainability practices • Benchmark against international training providers

**Proposed Destination**

USA

**Textiles  
Skill Deficiencies**

Designing and producing brocade for modern textile design for a variety of applications Analysis of traditional techniques Implementation of techniques to contemporary textiles • Innovations in materials and their use in contemporary brocade fabrics • High level skills and knowledge in traditional and new techniques and materials for manufacturing brocade

**Proposed Destination**

Italy

**Food  
Skill Deficiencies**

Methodologies and equipment in developing and producing commercial organic food growth and supply • Seedling horticulture • Determine ways to link and sustain horticultural education programs with production based enterprises • Networks to develop models for regional educational programs along Supply Chain

**Proposed Destinations**

UK, USA, Italy and Germany

**Mark McDonald**

Teacher, Joinery  
and Cabinet Making  
Gordon Institute  
of TAFE



**Craig Peacock**

Training Coordinator  
(Meat Retail)  
William Angliss  
Institute



**Maria Pellegrino**

Baking and  
Patisserie Trainer  
Goulburn Ovens  
Institute of TAFE



**Gita Pendharkar**

Electronics Teacher  
RMIT



**Building and Construction  
Skill Deficiencies**

Develop sustainability practices within kitchen and bathroom manufacturing processes from design through to manufacture and installation encompassing • Machinery and tooling • Energy consumption • Materials selection • Surface treatments Packaging • Recycling and waste management • Reduction of carbon emissions along the Supply Chain

**Proposed Destination**

Germany

**Food/Meat Retailing  
Skill Deficiencies**

Meat retailing to meet current and future markets • Use of traditional butchery skills applied to animals other than beef, sheep, chicken and pork into processing plants to meet diverse cultural needs • New cuts of meats to meet fast food preparation trends • Gain skills and knowledge on methods of packaging and labelling for retail sale • Develop sustainable strategies in meat retailing

**Proposed Destinations**

USA and Canada

**Food  
Skill Deficiencies**

Mould design and production for Australian baking and patisserie markets • Determine the appropriate types of materials and technologies related to creating new and innovative moulds • Clarification of crystallisation of sugar and chocolate • Techniques and temperature control • Science of humidity in patisserie • Shelf life and factors that extend shelf life

**Proposed Destination**

Europe

**Electronics  
Skill Deficiencies**

Interpretation of electrical signals from the brain to provide control of prosthetic devices through design and production of electronic devices • Understanding complex signal processing techniques used for neuroprosthetic control • Specialised technology and algorithms used to measure and analyse signals at the brain-prosthetic interface

**Proposed Destinations**

Brazil and USA

**The George Alexander Foundation/  
ISS Institute Fellowship**

Sponsored by The George Alexander Foundation

**Annabelle Coppin**

Farmer/Consultant  
West Australian Beef and Livestock Services



**Food  
Skill Deficiencies**

Economics, logistics and engineering of a mobile slaughterhouse operation in remote areas • Regulations and procedures to operate this system • Analyse skills required prior, during and post the slaughter process • Determine requirements for a multi-animal use system such as cattle, camels and kangaroos • Differentiating marketing strategies for a profitable enterprise

**Proposed Destinations**

USA and Canada



Please send me information

expression of interest

**ISS Institute**

p 03 9882 0055  
f 03 9882 9866  
e issi.ceo@pacific.net.au  
w www.issinstitute.org.au

**Contact Details**

Please complete all sections

Surname \_\_\_\_\_  
Name (First) \_\_\_\_\_  
Title e.g. Head of Centre, Owner \_\_\_\_\_  
Your Occupation \_\_\_\_\_  
Business Name \_\_\_\_\_

Address \_\_\_\_\_  
Postcode \_\_\_\_\_ State \_\_\_\_\_  
Phone \_\_\_\_\_  
Email \_\_\_\_\_  
Mobile \_\_\_\_\_

- Tick boxes
- Overseas Fellowships
  - Workshops, seminars, conferences, forums, etc
  - Events
  - Network listing
  - Mentoring
  - Consultancy services

- Tick your area/s of interest
- Environmental Design
  - Food Trades**
    - Value adding to regional produce
    - Commercial cookery
  - Primary Industries**
    - Cattle
    - Agriculture
    - Fisheries
    - Forestry
  - Heritage Industry**
    - Building/Trades
    - Maritime
    - Moveable Objects
    - Gardens and Trees
  - Building and Construction**
    - Conservation/restoration
    - Painter / decorator
    - Carpenter and joiner
    - Masonry
  - Energy/Environment Industries**
    - Alternative energy
    - Land and water management and related technologies
  - Engineering Trades**
    - Mechanical and Fabrication
    - Toolmaker
    - Marine
    - Sheetmetal
    - Automotive
    - Furniture
    - Airconditioning, Refrigeration, Lifts
  - Urban Planning**
    - Waste management
    - Building and construction
    - Preformed systems
  - Other**  
List your Industry/Skill Gaps \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ISS Institute warmly acknowledges the generous contribution of the following sponsors and looks forward to working with them throughout 2010 and beyond.

Event Sponsor



Fellowship Sponsors



Skills Victoria (TAFE)/ISS Institute Fellowships

Skills Victoria (TAFE)/Italy (Veneto) ISS Institute Fellowships



City of Melbourne/ISS Institute International Fellowship



The George Alexander Foundation/ISS Institute Fellowship

Fellowship Supporter



International ISS Institute/ DEEWR Fellowships

Fellowship Sponsors



AgriFood Skills International Fellowships



International Building and Construction Fellowships

THE PERROTT FAMILY

Leslie M Perrott/ AO, OBE  
Leslie M Perrott/ ISS Institute Fellowship

Fellowship Supporter



The Pratt Foundation/ ISS Institute Overseas Fellowships

Fellowship Sponsors



RMIT University/ ISS Institute Fellowship



Victoria University/ ISS Institute Fellowship



William Angliss Institute/ ISS Institute Fellowship

Pro Bono Sponsors

Blake Dawson

Legal Services



Auditing Services

PACIFIC BRANDS

HR Services



Business Strategy | Communication | Public Policy

Communication Services

connecting point

IT Services



Software products

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form by any means, electronic, mechanical, photocopying,

recording, internet, or otherwise, without the prior written permission of the publishers.

While every effort has been made to ensure the accuracy of the

information in this publication, the publishers accept no responsibility or liability for any errors, omissions or resultant consequences including any loss or damage

arising from reliance on information in this publication. The views expressed in this publication are not necessarily endorsed by the publisher.