



DESIGN STUDY DAY: SUSTAINABILITY IN DESIGN

For years 10–12 Design and Technology students

10.00 am – 2.30 pm, Tuesday 11 August 2009

Cost \$10 per student (Prepayment required. Includes Museum entry)

The Design Study Day brings together speakers who work in diverse fields of design, from product design and manufacturing to research and education. What they share however is the recognition that sustainability in design is an absolute necessity and an area where designers can make a direct impact on the way in which we live. Discussions will span sustainability in design, looking also at the current trend to over use the word, resulting in the possible dilution of its meaning and significance.

The four speakers on the day include: [Alexandra Gilmour](#), industrial designer, Kent Gration, founder of [Wambambo](#), Duncan Underwood, Director of Operations and Sustainability at [Digital Eskimo](#) and Douglas Tomkin, Associate Professor, School of Design, UTS. Alexandra, winner of the 2008 Powerhouse Wizard Award and inventor of the Swash Waterless Dishwasher, will discuss how her design responds to sustainability issues. Kent will highlight how his products and company ethics address environmental concerns around mass production and the overuse of non-renewable, polluting materials in the furniture industry. Duncan will talk about what sustainable design looks like and how every day lives are made more sustainable. Douglas will focus on the role of designers in reducing the environmental impact of products and how sustainability needs to be considered throughout the entire design process.

Students will have the opportunity to ask the panellists questions and view the following exhibitions and displays: [Eat Green Design](#), [EcoLogic: creating a sustainable world](#) and [Australian International Design Awards](#).

Program

10.00–10.15	Welcome
10.15–11.45	Panel: 'Sustainable design products and practice' <ul style="list-style-type: none"> • Alexandra Gilmour, 2008 Powerhouse Wizard, Swash Waterless Dishwasher • Kent Gration, founder of Wambambo • Duncan Underwood, Director of Operations and Sustainability, Digital Eskimo • Douglas Tomkin MDes (RCA), Associate Professor, School of Design, Faculty of Design Architecture and Building, UTS
11.45–12.15	Q&A and panel discussion
12.15–1.15	Lunch
1.15–2.30	Exhibition and display viewing: <i>Eat Green Design</i> , <i>EcoLogic</i> and <i>Australian International Design Awards</i>

Bookings are essential for all education groups

Ph: (02) 9217 0222, Fax: (02) 9217 0622, Email: edserv@phm.gov.au

For more information on Sydney Design 2009, visit <http://www.sydneydesign.com.au/>



BIOGRAPHIES



Alexandra Gilmour

Alexandra Gilmour — Industrial Designer

Alex Gilmour is an Industrial Designer from Sydney and winner of the 2008 Powerhouse Museum Wizard Award which recognises emerging leaders in Australian innovation. In 2005 for her graduating project in Industrial Design at UTS she developed Swash, a dishwashing concept using steam and nanotechnology aimed at reducing water consumption. Following industry interest and a grant supplied by Melbourne company Nanovic, Alex went back to UTS to undertake a Masters in Design degree, to further develop the functional elements of the steam dishwasher. After completion of her Masters, Alex hopes to see the dishwashing design taken up by an investor and produced for the commercial market. The aim is to provide a more sustainable method of cleaning dishware, conserving energy and water resources.



Kent Gratton

Kent Gratton — Founder of Wambamboo

In 2004 Kent Gratton established Integration Studio, a multidisciplinary design company working in the areas of graphic, product and furniture design. The studio addresses social and environmental issues through design using a multifaceted approach, based on the belief that good design should last forever, but needn't last forever in the environment. Wambamboo, Kent's current range of furniture, addresses growing concerns regarding the overuse of non-renewable, polluting materials in the furniture industry and their long-term environmental and sociological effects. Wambamboo has been shown in Milan, London and numerous Australian exhibitions. The *Costello* seat won the prestigious Melbourne Fringe Furniture 2007 Premier Award for Best Sustainable Design and a Queensland Design Award in 2008 for Best Sustainable 3-D Design.



Duncan Underwood

Duncan Underwood — Digital Eskimo

Duncan completed a Bachelor of Industrial Design at UTS but quickly shifted his focus to permaculture, bushland regeneration and community development. Duncan spent several years studying and working for the National Trust and on a number of community projects before a stint in direct marketing, a sea change experience on the NSW mid-north coast, working in the business development unit at Clean Up Australia and completing postgraduate studies in International Urban and Environmental Management.

Digital Eskimo has proved the perfect place for Duncan to use previous experience in business development and administration, apply an understanding of sustainability to both operations and business strategy, and employ insights from community development to management of human resources — all complemented by a foundation in design thinking and practice.



Douglas Tomkin

Douglas Tomkin — Associate Professor, School of Design, UTS

Douglas has over 30 years of practical experience as an industrial designer and design academic working in Australia, the United Kingdom and Asia. Prior to moving to Sydney in 1992, he was chief executive of a government funded design consultancy in Hong Kong, established with the aim of helping local manufacturers develop their own design capability. His research focus is on reducing the environmental impact of consumer products and integrating sustainable design practice into university courses. Douglas also undertakes consultancy work on sustainable design and legal disputes involving design issues. He has also assisted in planning and assessing the Design and Technology subject in secondary schools in NSW.

SYDNEY DESIGN 2009 GROUP VISIT BOOKING REQUEST FORM

Please complete the appropriate section(s) for your class visit.

Contact details

Name:

School:

Telephone:

The best time to contact you:

Fax:

Email (optional):

Design Study Day: Sustainability within design

Date: Tuesday 11 August 2009

Alternate date: n/a

Arrival time: 10.00 am

Departure time: 2.30 pm

Program includes the following exhibitions:

1. *Eat Green Design*, level 1
2. *EcoLogic*, level 1
3. *Australian International Design Awards*, level 3

Details of your group

Number of students:

Year level (for year 10+ only):

Number of supervisors*:

Comments

Please fax this form to: Bookings Office on (02) 9217 0622

NB: prepayment is required. This request does not constitute a confirmed booking until you are notified by the Powerhouse Museum Bookings Office.

* Supervisors free if within supervisor to student ratio: 1:20 for years 7+