

experience



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RAIA
This is a Royal Australian Institute of Architects registered activity. Participation in all 3 sessions will accrue 14 **formal points** towards the requirements of the RAIA Continuing Professional Development Policy in the areas of Design and Documentation.

design+CNC technology furniture workshop

including hands-on project

Presenters

ISS Institute/TAFE Fellows

The following presenters are Fellows who have travelled overseas to fill skill deficiencies in CNC technology. Through this workshop they will share with you what they learnt overseas.

'04 ISS Institute/TAFE Fellows

- Sponsor**
Philip Ashley
Head Furniture, Furniture Manufacturing (CNC), Holmesglen TAFE
- Neil Gordon**
Lecturer, Furniture, Manufacturing (Cabinetmaking), Holmesglen TAFE
- Bryon Stanley**
Senior Teacher, Furniture Programs, Furniture Programs, School of Design (TAFE) RMIT University
- Franklin Wilbrink**
Senior Teacher, Furniture Programs, Furniture Programs, School of Design (TAFE) RMIT University
- Skill Gaps**
Design and manufacturing skills focusing on CNC manufacturing technologies in modern production techniques equipment and design • Recovery and reuse of 'waste' materials related to timber.
- Overseas Program**
Visits to firms in Germany, France, Switzerland and USA.

Julian will join the team to input design solutions.

'01 ISS Institute/TAFE Fellow

- Sponsor**
Julian Pratt
Co-ordinator/teacher, Furniture Programs, School of Design (TAFE), RMIT University
- Skill gaps**
Cold foam production • Injection moulded plastic frames • Materials and tool development and substructures • Production processes • Safety standards
- Overseas Program**
Visits to firms in Italy, Spain, Germany and UK

Suitable for...

- Furniture designers
- Master and emerging cabinetmakers
- Manufacturers
- Industrial designers
- Interior designers
- Product designers
- Architects
- Suppliers
- Educationalists
- and those who wish to explore furniture design and manufacture

skills + knowledge + good design + innovation + communication = competitive edge • good business

experience



Enhancing the capabilities of those working in furniture to:

- Use 'design' as a critical factor in all aspects of work from concept to production to retail and the consumer.
- Generate new ways of thinking and working to create innovative furniture for the domestic and corporate clients here and overseas.
- Develop communication between designers and those who manufacture.
- Create an integrated design/production team approach.
- Work in collaboration, designers/manufacturers valuing the capabilities and skills of the other and working together to meet customers needs and lifestyles.
- Generating a concept through to a full scale prototype.
- Learn from the past and other contemporary cultures, then transpose those skills, knowledge and insights into quality, innovative Australian designed and made furniture for the local and international marketplace.

Note: Images work from RMIT furniture students

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Julian Pratt, Philip Ashley, Neil Gordon, Bryon Stanley and Franklin Wilbrink will share their expertise, insights and perspectives gained overseas.

A hands-on project has been designed to take participants from concept to creating a prototype suitable for manufacture encompassing design, innovation, construction techniques and materials using CNC technology.

Design and Construct ...

To design a free-standing object suitable for sitting, placing items on or storage for an outdoor space. Whilst one object will be taken to a prototype, the object may be one of a modular series or a family.

Participants are to produce thumbnails, roughs and working drawings, which depict in scale, the object's visual characteristics, physical properties and dimensions and make a prototype of a free-standing object for manufacture.

The object will be suitable for either stacking or flat packing.

Participants will work in a team of three comprising a designer and a technical/ production person - together the team will develop a concept for an object, then take the idea into constructing and finishing the item.

Context

The object is to be designed for external environments and is to be designed for a defined market segment such as an outdoor restaurant, a park, residential or corporate setting.

Consider : The space in which it will reside • natural light or other • colour and texture • sustainability (changeable component parts) • other surrounding organic or inorganic objects • maintenance • durability • whether it is permanent, transportable or relocatable • lifestyle. Do not bring to the workshop your existing ideas as you will be working in a Project Team of three people and as such will be exploring and collaborating on a new concept.

Materials

Participants will use either bamboo board or marine ply.

Personal protection equipment You must wear safe working shoes and protective workclothes. These are the responsibility of each participant and must be worn where appropriate.

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Venue•Date•Time

*Please note you must attend all three sessions

Session 1

Introduction of the Project. Team; the project; materials and CNC equipment.

Venue RMIT University Building 71, Level 3 Room 16, 42 - 46 Cardigan St, Carlton

Date•Time Tues 29th May 2007, 5.30 to 8.00pm

Street Parking Meter parking available

Session 2

Teams develop concept; complete design suitable to take to CNC stage.

Venue Holmesglen Institute of TAFE, Building 5 Batesford Road, Holmesglen

Enter by gate 3. Carpark next to the building. Meet in foyer on Level 1

Date•Time Sat 2nd June 2007, 8.30am to 3.30pm

Session 3

Teams to assemble and finish furniture cut using CNC process.

Venue Holmesglen Institute Building 5. Same as above.

Date•Time Sat 16th June 2007, 8.30am to 3.30pm

Format

This special workshop comprises three sessions • **Session 1** - an illustrated lecture, demonstrations, group and individual discussion and introduction to hands-on project • **Sessions 2 & 3** - hands-on project - participants will work in teams of three.

Materials

Participants will use either bamboo board or marine ply.

Personal protection equipment are the responsibility of each participant and must be worn where appropriate.

Fee

\$450 which includes:

- Materials
- Use of some equipment
- Course notes
- Morning and afternoon refreshments
- CD of the '04 ISS Institute/TAFE Fellows Report
- A 'Certificate of Participation' will be presented.

The fee is subsidised by ISS Institute.

Early Bird rate is \$390 for those who register and pay by Friday 18th May 2007.

Lunch Pack your own lunch box full of tasty treats to enjoy on the day, so as to immerse yourself in the 'CNC' experience - share ideas, techniques and insights with your workshop colleagues.



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Specialised
Skills Institute

Since 1990, the ISS Institute, an independent, national, innovative organisation, has provided opportunities for Australian industry and commerce, learning institutions and public authorities to gain best-in-the-world skills and experience in design, innovation, traditional and leading-edge technologies and management.

Our operations are directed towards bringing design, knowledge, traditional and leading-edge technologies to Australian business - new ways of thinking, new ways of producing for the local and global marketplace.

ISS Institute
Suite 101
685 Burke Road,
Camberwell 3124
Victoria

T 03 9882 0055
F 03 9882 9866
E issi@pacific.net.au
W www.issinstitute.org.au

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Registration Form

Post, email or fax to:

ISS Institute
Suite 101,685 Burke Road, Camberwell 3124 Victoria
T 03 9882 0055 F 03 9882 9866 E issi.ceo@pacific.net.au

Course Fee for three sessions inclusive

Friday 29th May 5.30pm -7.30pm
Saturday 2nd June 8.30am - 3.30pm
Saturday 16th June 8.30am - 3.30pm

[] \$450.00

[] **Early Bird** \$390 incl. GST for those register and pay
by May 18, 2007.

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Complete the registration form and post, email or fax back.

You are welcome to forward on to others who would also be interested in attending.

Name _____

Organisation _____

Title/Position _____

Address _____

_____ Postcode _____

Phone: Work/Home _____

Fax _____

Mobile _____

Email _____

Conditions of Registration

I hereby agree to abide by the regulations of the ISS Institute

Your Signature _____ Date _____

Enrolment • Entry Requirements In general no formal entrance requirements are necessary.

• Conditions of Registration Complete the registration form attached. Enrolment can be made by email, post or fax. Cash must be paid at the ISS office - do not mail. An email or fax of confirmation will be sent after full payment of fee. Note: A position in the workshop will not be reserved without payment being received by this office. Enrolment is on a firstcome- first-served basis based on time of receipt of fees. If you have not received an email or fax of confirmation, please contact the ISS Institute office on 9882 0055 to find out the status of your application. Do not assume that because you have sent an application you are automatically enrolled in the workshop • **Refunds** Please check your enrolment carefully. We regret that a refund will only be given if the workshop does not proceed. If you withdraw from the workshop after registration is received by ISS Institute, a \$50.00 administration fee is payable. • **Refunds** will not be given to those who withdraw three days or less prior to the workshop.

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April 2007