

BACHELOR OF INDUSTRIAL DESIGN

70
fbe
UNSW

THE UNIVERSITY OF NEW SOUTH WALES FACULTY OF THE BUILT ENVIRONMENT
2005 GRADUAND EXHIBITION

FOREWORD

The Faculty of the Built Environment is the largest and most comprehensive of its type in Australia, preparing graduates to work in Industrial Design, Landscape Architecture and Planning, Interior Architecture and Design, Urban Planning and Design, Architecture, Construction Management and Property. Whilst the production of the built environment is served by other disciplines, the work of our graduates is the *sinè qua non*. And what an exciting time it is to be graduating as a built environment professional. Citizens of the 21st century face a number of meta-challenges and one of these is certainly the challenge of urbanization, especially in the vast emerging urban realms of Asia.

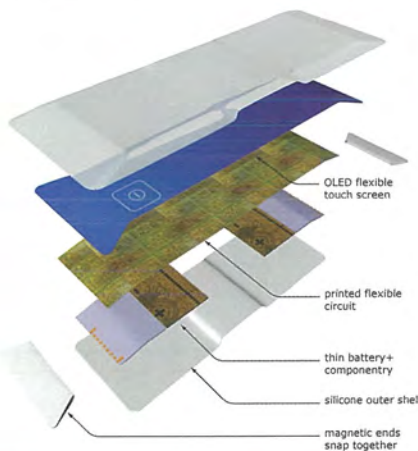
In educating our students we are driven by ideals of design excellence, cross-disciplinary understandings and practice, the design and production of sustainable human environments and increasingly internationalized practices. The work recorded in this volume in one way or another reflects these goals. Whilst it relates to just one of our core disciplines the suite of books of which it is part, and the final year exhibition in which the work was displayed, encompass the seamless totality of what we do. Visual communication is at the heart of our design disciplines although, of course, the written word is critical too. Preparing work for display, and public critique, is part and parcel of the game. Hence our commitment to providing this quality showcase for the work of our final year students. The future is theirs and I wish them the very best.

Professor Peter Murphy
Faculty Dean

BACHELOR OF INDUSTRIAL DESIGN

THE UNIVERSITY OF NEW SOUTH WALES FACULTY OF THE BUILT ENVIRONMENT
2005 GRADUAND EXHIBITION

7⁰
fbe
UNSW



↑↑ Vellum can interact wirelessly with point of sale, travel and other information networks.

↑ An intuitive interface displays all of Vellum's functions in a single display.

←← Different individual textile coverings create different product forms and symbology.

← All components within Vellum are moulded into a silicone shell, creating sealed units that charge and interact wirelessly with each other.

CAPTIONS

In our daily lives we use, and interact with, a variety of different communication products and systems. From the home to the work environment and in-between we rely on several different systems to communicate with others, access our money, and identify who we are as individuals. The products we use to access and relate to these systems are often fragmented and numerous.

Vellum is a digital wallet concept designed to represent the future of communication technology and behaviour. It is a product system that can be tailored to the individual users' needs and behaviours. Elements such as displays, cameras, microphones and smart tags can be added or subtracted as needed, communicating with each other in small personal 'pico-nets'. Vellum then uses fourth generation mobile and other wireless technologies to interact within a scalable network. Personal information such as contacts, credit card details and data is stored centrally and accessed when and where it is needed, meaning data is never lost with the device. The user can use Vellum to speak to someone overseas or simply pay for the milk wirelessly and instantly.

Vellum represents a paradigm shift in way we will communicate and interact with the world in the very near future.

PROJECT DESCRIPTION



PHOTO

Vellum

PROJECT TITLE

60 x 180 x 5 mm

DIMENSIONS

Digital Wallet

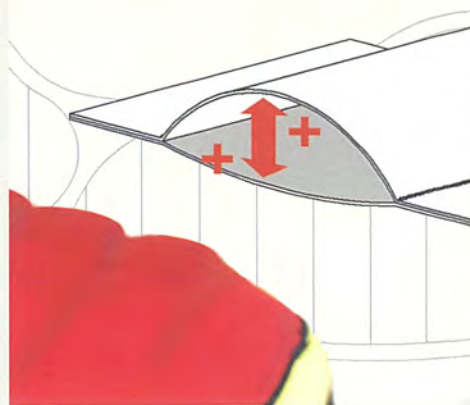
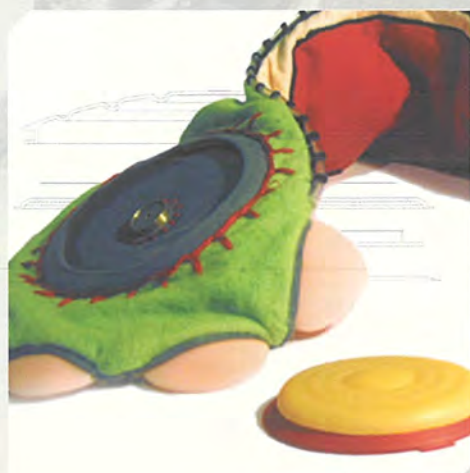
PROJECT CATEGORY

Silicone rubber | Flexible OLED displays | Textiles

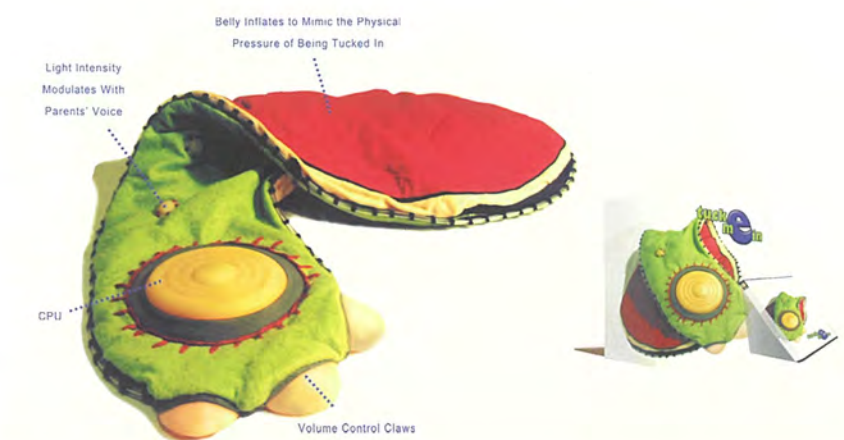
MATERIALS

Injection Moulding | Plastic Printed Circuitry

MANUFACTURING PROCESS



03/2011



↖ Absent parent interacting with child through Tuck Me In.

↑↑ CPU removes for washing.

↑ Conductive fabric becomes magnetically charged. Two like charges repel, which causes the belly to inflate, mimicking the physical pressure of being tucked in.

← Bed Buddy is sold with a computer application that is installed into the parent's PC or PDA.

Being tucked in is a great sign of love that strengthens any parent-child relationship. It creates a bond that is greatly missed when a parent is away and is unable to be there for that special time. Tuck Me In allows an absent parent to interact with their child in real time, permitting them to tell a story, kiss them good night, and tuck them in – all from a distance.

So what defines an absent parent? It is one that is unable to physically be there for their child, whether that be due to marital breakdown and shared custody arrangements, or time away due to work and business.

Tuck Me In is a two part system that encourages open and spontaneous communication: The Bed Buddy is owned by the child and has the sensibilities of a beloved teddy bear. It mostly lives on the bed, but it can be taken to the couch, a favourite hiding spot, or into the fort they have built. The second part is a computer application that can be run via PC or PDA and the internet. Conductive fabric, screen printed OLEDs, receivers, processors and speakers all work in unison so as to make a not-so absent parent.

OBJECT DESCRIPTION

OBJECT TITLE The Not-So Absent Parent

DIMENSIONS

(overall size) 1900 x 400 mm

MATERIALS

Conductive textiles | OLED | Polyurethane

OBJECT CATEGORY

Emotive Communication

MANUFACTURING PROCESS TComputer Knit Textiles | Screen Printed OLED

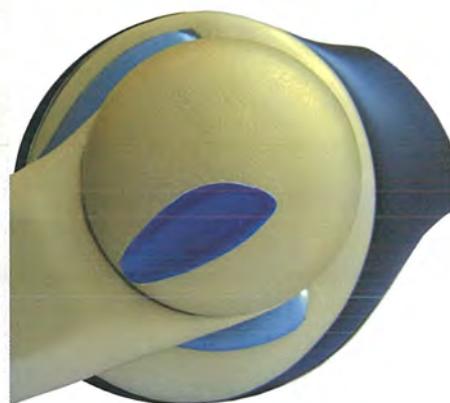
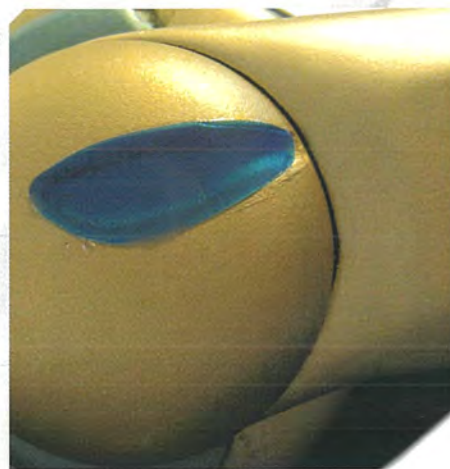
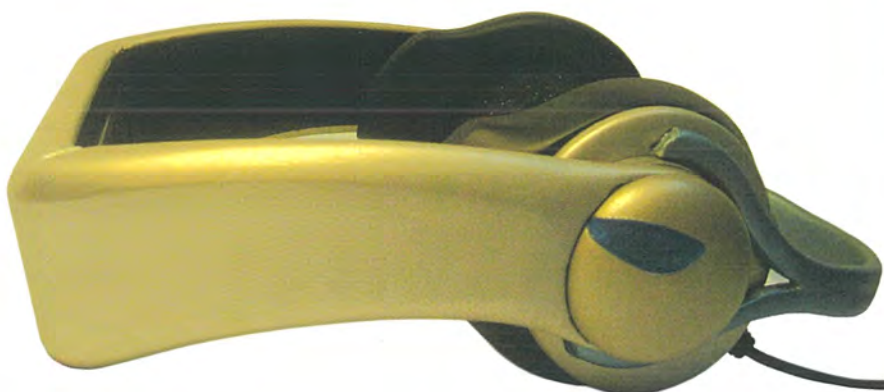
PHOTO



CONTACT NUMBER 0405 403 535

EMAIL ADDRESS jennifer_anayo@optusnet.com.au

STUDENT NAME Jennifer Anayo



HERO SHOT



← The screen arm rotates from a storage position to a viewing position.

↑↑ Styling detail.

↑ Headphone detail..

CAPTION

Immerse is a light-weight head mounted entertainment system designed to be incorporated into the entertainment services offered by airline companies. It consists of a headphone that covers the ear to dampen vibrations from outside and a display screen system that swivels for convenience of usage and stowage. The design incorporates a slim neck-band that holds the system in place. For purposes of hygiene, the headphones and the neckband are washable and convenient to disassemble. Space has been provided on the product for branding. This product offers a solution to the issue of personal space and privacy.

Entertainment and recreation is almost a basic need today and much time and resources are being spent on these activities. This is an opportunity to introduce a product that can offer a unique air travel experience. Long distance flights can get boring and also have physical and mental implications on travellers due to prolonged seating, differences in pressure and jet lag. Internet services are beginning to be offered on flight and businesses are beginning to integrate to offer services profitably, such as the tourism industry. The product can facilitate travel planning services and perhaps make the in-flight environment more interesting by providing passengers an option to communicate with other people on the flight.

PROJECT DESCRIPTION



PHOTO

Immerse

PROJECT TITLE

119 x 90 x 200 mm

DIMENSION

Silicone | ABS | Magnesium Alloy

MATERIAL

In-Flight Entertainment System

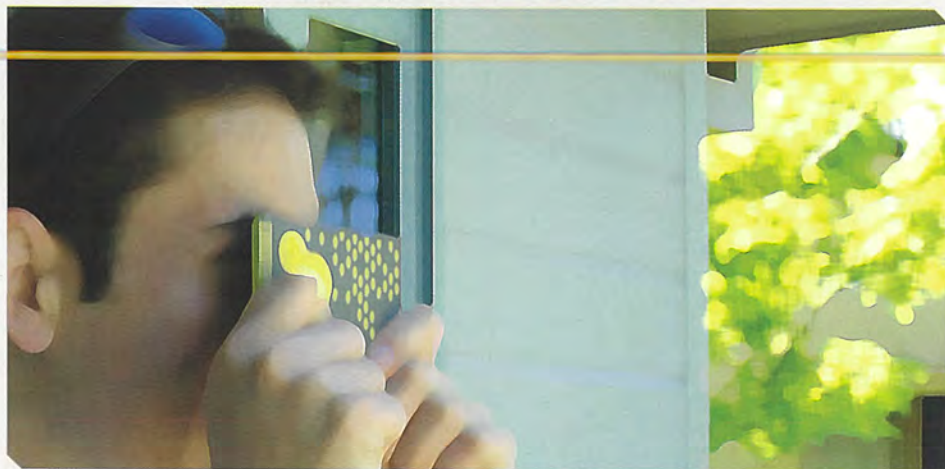
PROJECT CATEGORY

Injection Moulding

MANUFACTURING PROCESS



HERO SHOT



- ↖ Transformation from camera (lying) to slide show (standing).
- ↑↑ Opened up for slide show with fold out stand.
- ↑ Front view in camera mode.
- ← Images being captured before sending.

CAPTIONS

The camera market is saturated by entry level digital cameras as consumer spending reinforces the value + convenience of digital photography. Such consumer behaviour is giving opportunity to, as well as placing new demands on, the way we take a photo, store, review + print any subsequent images.

Snap+Send is a response to the consumer's desire for recyclable cameras that supplement their valued digital camera during holidays, events + recreation. This is not a product that will replace digital cameras but more likely compete with single-use and mobile phone cameras as an appropriate way of sharing memories.

More opportunity in design is afforded through imaging technology decreasing in size + no longer being based on film exposures. Hence this camera easily takes on the form and purpose of a postcard. After snapping away some personal photos It is sent to a friend or relative where it is opened up to display a slide show of images. Each picture tells a thousands words, far more than any single handwritten note.

PROJECT DESCRIPTION

PROJECT TITLE

Snap+Send

PROJECT CATEGORY

Single-Use Camera

DIMENSIONS

80 x 135 x 8 mm

MATERIALS

250gsm card | Printed battery | Printed Screen

MANUFACTURING PROCESS

Roll to roll | Circuit printing + Mounting

PHOTO





Design



← User interaction with ludi-haler.

↑ Ludi-haler with cap removed.

CAPTIONS

Asthma is a growing health problem around the world. In Australia it is estimated that asthma affects 1 in 10 adults and 1 in 4 children. There are many kinds of delivery devices; the meter dose inhaler (MDI) is the most common and cheapest treatment for asthmatics.

Younger users find difficulties in coordinating the "press and breathe" procedure with the MDI device alone. With an additional spacer attached to the MDI which is used to suspend medication, the user can slowly and easily inhale the drug. Research shows at least 40% of users are not taking the medications properly. They especially allow too short a time for inhalation. The Ludi-haler can educate children to use the device properly. With a 10 second timer integrated inside the case, it ensures the user finishes the drug inside the spacer.

Childhood is an exciting and fun stage of life, and children with asthma should not be excluded from that. Living daily with boring and endless medication can be worrying and hopeless for children, and have an effect on their psychological behaviour. Ludi-haler, a less intimidating spacer, might eliminate the growing dislike that children have for their medication.

PROJECT DESCRIPTION



PHOTO

Ludi-haler

PROJECT TITLE

121.5 x 81 x 97 mm

DIMENSIONS

Silicone rubber | Polycarbonate

MATERIALS

Medical Device for Asthmatic Children

PROJECT CATEGORY

Injection Moulding

MANUFACTURING PROCESS



HERO SHOT



- ↑ Ski Gloves combined with wrist guards:
 - Wrist guards within ski gloves.
 - Convenient to wear and take off.
- ←← Simple Adjustment:
 - Adjust the tightness of the guards by rotating the wheel.
 - Rubber on the outer wheel provides good grip.
- ← Unlock the guards:
 - Simply push the middle button to release the guards.

CAPTIONS

The popularity of snowboarding is increasing rapidly and, consequently, the number of snowboarding injuries is also increasing. Most snowboarding injuries are wrist injuries. Wrist guards are one of the most common protective items used to prevent injuries in skating or snowboarding. They are designed to reduce sprains and fractures by preventing wrist hyperextension, absorbing shock and dispersing kinetic forces. Despite their usefulness, research reveals that only 6% of snowboarders wear wrist guards. Reasons for not using them include inconvenience, comfort and the appearance. Many wrist injuries occur even when wrist guards are worn, suggesting room for improvement in their design.

Snug is a combination of wrist guard and gloves, making it more convenient to wear and take off. Users can adjust the tightness of the guards by rotating a wheel, and release the guards by pushing a button. On both sides of Snug, there is EVA (Ethylene Vinyl Acetate) foam padding and TPE (Thermoplastic elastomer) plastic. The EVA foam padding improves energy absorption by more than 38% compared with bare hand. The TPE plastic prevents bending of the wrist more than 90-degrees. The combination addresses the causes of wrist injuries.

PROJECT DESCRIPTION

PROJECT TITLE

Snug

PROJECT CATEGORY

Snowboarding Wrist Protection

DIMENSIONS

130 x 300 x 50 mm

MATERIALS

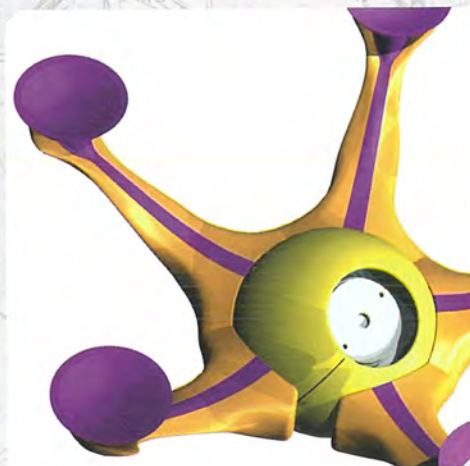
Nylon | EVA (Ethylene Vinyl Acetate) | TPE

MANUFACTURING PROCESS

Injection Moulding | Thermo-forming | Sewing

PHOTO





↖ Senti attached to aquarium with Wi-Fi antenna to left.

↑↑ Exploded Senti showing 2 shot injection cavities.

↑ Rotating the camera sphere allows Senti to look backwards.

← Thermochromic dye allows Senti to blush when touched.

CAPTIONS

While western industrialisation has brought many benefits to humans and society, a negative effect of this phenomenon is the alienation of humans from our fellow Earth cohabitants. Humans increasingly inhabit a cyber world with the working day consisting of long shifts in front of computer screens. We are deprived of the interaction we once had with animals and fellow humans. Yet the now autonomous human creature still yearns for this union with fellow kind. Just as technology has reduced interpersonal and animal interaction, it has also provided new opportunities. Senti brings a real underwater aquatic world to your computer screensaver.

Using a colour CCD camera, Senti wirelessly broadcasts, high resolution video data of your home aquarium onto a screensaver terminal via the internet. Senti (short for sentinel) can monitor your prized aquatic friends or act as a superior web cam that attaches to the computer screen (rather than resting on it). In face-to-face web conferencing the important act of eye contact can be a problem. By placing Senti next to the computer image of your conference partner this problem can be overcome.

Senti works to make cyberspace a cyberplace.

PROJECT DESCRIPTION



PHOTO

Senti

PROJECT TITLE

100 x 100 x 30 mm

DIMENSIONS

Aquatic Computer

PROJECT CATEGORY

PP | Thermoplastic Elastomer | Thermochromatic Dye

MATERIALS

2 Shot Injection Moulding

MANUFACTURING PROCESS



1.



2.



4.

3.

- ↑ 1. Initial size, when zipper unfastens and bag pulled opposite direction, extra space is created.
- 2. Visual appearance of expanded bag.
- ← 3. Inside – top compartment for milk bottles - insulators, food, clothes, and changing mat.
- 4. Side pocket to store diapers and baby wipes.

CAPTIONS

Carrie is a diaper bag for every new mother who wants quality and durability in a product for carrying their baby's belongings. Unlike any other diaper bag, this bag offers flexibility of use, acceptable size for minimal packing on short outings with the baby or expanded size for longer outings. A classical leather postmans' bag look is teamed up with another material to give a simple modern unisex style - enough to make the visual appearance of the bag last for years to come. A bag which both mother and father can use for any occasion.

The bag is made from leather material to give a classic, high quality look combined with polyester-cotton blend material for durability with softness. The bag has 2 main compartments able to hold most of the baby's essentials such as clean diapers at the bottom and milk bottles at the top compartment. When the zipper along the body to bag's flap is unfastened, then pulled in opposite directions, the bag expands giving extra space for more baby belongings.

PROJECT DESCRIPTION

PROJECT TITLE

Support for New Mothers

PROJECT CATEGORY

Baby Product

DIMENSIONS

280 x 140 x 300 mm

MATERIALS

Leather | Polyester Cotton Blend | Neoprene

MANUFACTURING PROCESS

Sewing | PU Treatment for Lining Material

PHOTO





Chameleon

adapt, enhance, perform



- ← Section view of electrochromic device for altering the colour properties of the lens.
- ← Elimination of fogging through:
 - a) silica nanoparticles injected into polycarbonate lens,
 - b) Non porous foam to reduce moisture inside frame and
 - c) flow through ventilation.
 - d) Double strap for increased adjustability.

CAPTIONS

Chameleon is an integrated goggle and face mask system, primarily used to protect the eyes and face of snowboarders. It allows the snowboarder to maximise performance and time spent on the mountain by adapting to the harsh external environment.

Alpine conditions can change rapidly from a sunny day to a heavy blizzard in a matter of hours. To deal with constantly changing light conditions, the Chameleon incorporates a colour altering lens. This is achieved by sandwiching an electrochromic film between the lenses and applying a small current over the conductive layers. This state of the art technology allows users to instantly and precisely control the colour variation of their lens and eliminates the need to carry spares. Adjustments to colour are made by swiping a flexible membrane switch positioned on the side of the frame.

The integration of a detachable face mask ensures protection of the lower face against exposure to snow, sleet, wind, water, debris, sharp objects and impact. Chameleon enhances the snowboarding experience by protecting the eyes against harmful UV rays, improving peripheral vision, preventing fogging of the lens, providing a degree of facial protection and moulding to the contour of the face.

PROJECT DESCRIPTION



PHOTO

Chameleon

PROJECT TITLE

177 x 120 x 105 mm

DIMENSIONS

Electrochromic Device | Silica Nanoparticles

MATERIALS

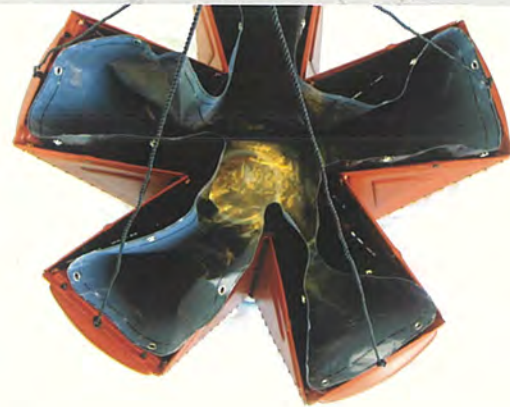
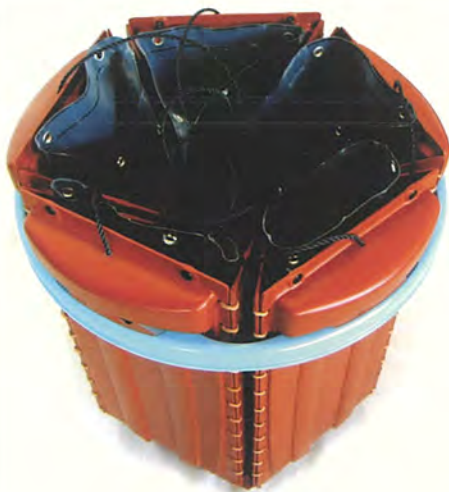
Snow Sports

PROJECT CATEGORY

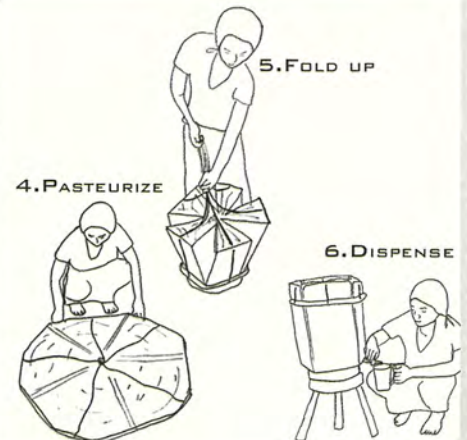
Injection Moulding

MANUFACTURING PROCESS

R25.00



TARGET MARKET



1.2 Billion People in the world do not have access to safe drinking water resulting in 2.2 million deaths each year. Mvura is a household water purifier targeted at rural Africa. It is intended to be distributed through aid organisations already operating within communities in need. The cost will therefore be subsidised and the product introduced with training on hygiene and the use and maintenance of Mvura. It utilizes the simple technique of pasteurization using solar heat. 15 litres of water is heated to 65°C within two hours, which kills all harmful bacteria.

Mvura (meaning 'water') is culturally sensitive in its design to be carried on the head. It is then opened into a pasteurization position. In this state a large surface area of water is exposed to solar heat. This combined with the small depth, black bottom and insulating panels all aid in maximising heat absorption. The panels also serve to protect the bag of water during transport. Soybean wax melts at the appropriate temperature to indicate that the water is pure enough to drink. With replacement parts readily available and its easily repaired hinges, Mvura is designed to be sustainable at a local level.

PROJECT DESCRIPTION

PROJECT TITLE

Mvura

PROJECT CATEGORY

Water Purifier

DIMENSIONS

400 x 430 x 400 mm

MATERIALS

Self-skinning Polyurethane Foam | Polyethylene

MANUFACTURING PROCESS

Pinjection Moulding | Hot Wedge Welded

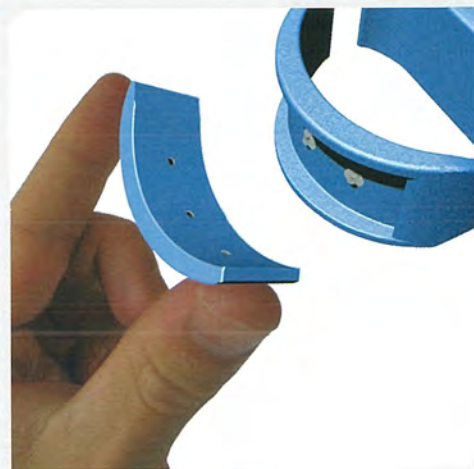
PHOTO



CONTACT NUMBER 04102 778 360

EMAIL ADDRESS juliefrost@yahoo.com.au

STUDENT Julie Frost



- ↑↑ Small pop buttons allow the patches to be removed and attached to the wrist device or the disposable electrodes.
- ↑ The touch screen allows the users to change the display quickly and easily.
- ← The system can work with either the arm patch attached to the wrist device or a disposable electrode.

CAPTIONS

Stress is a very simple but elusive problem. The balance between rest and relaxation and stress for most of us is a battle in everyday life. For many people chronic (long term) stress causes a myriad of problems from headaches to cancer. Like most problems people want quick fix solutions that require little effort. This ultimately leads to 'gimmicky' products or medical drugs which in most cases only provide a bandaid for the problem.

Bio-Stress is a preventative stress management system that helps the user to identify stressors through the use of biofeedback. The biofeedback incorporated into the product enables the user to monitor stress related signals the body gives out such as: heart rate, skin temperature, skin resistance and muscle tension. With this information the user, under the guidance of a stress specialist, can reduce their stress levels in the best possible way. Bio-Stress monitors, records, displays and transfers the user's biofeedback through the use of skin surface electrodes, flexible circuit boards, a touch screen and Bluetooth and Zigbee wireless technology.

PROJECT DESCRIPTION



Bio-Stress

PROJECT TITLE

Arm patch 52 x 19 x 24 mm | Heart patch 36 x 42 x 7 mm

DIMENSIONS

Rubber Blends | Polyurethane | Crypton fabric

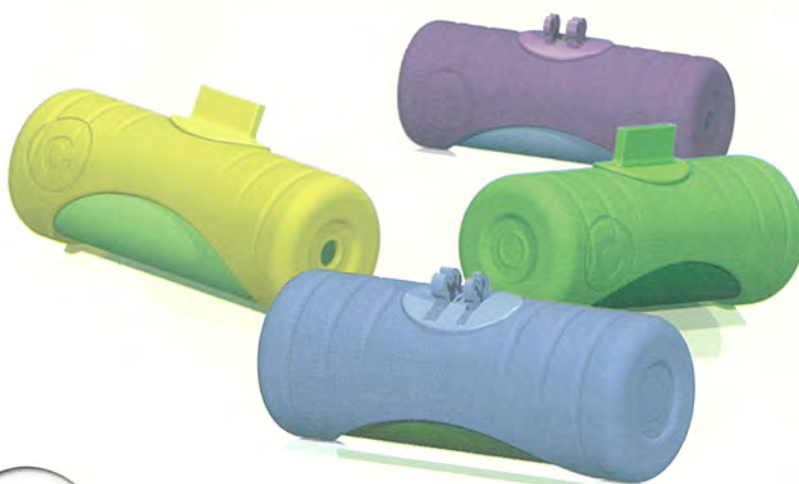
MATERIALS

Wearable Health Management System

PROJECT CATEGORY

FInjection moulding | 3D Weaving

MANUFACTURING PROCESS



- ↑↑ The adapter can connect to a key ring for convenience and accessibility.
- ↑ Injection moulded silicone gives an enjoyable tactile experience.
- ← The adapter stretches over the battery pack for a tight secure fit.

CAPTIONS

The number of mobile phone subscribers in the world has surpassed the two billion milestone. Whether they are used for work, safety or socialising, mobile phones have proven to be an indispensable part of contemporary society. One of the main restrictions affecting the performance of a mobile phone is the limited charging opportunities. This is particularly apparent when travelling or 'on-the-go'.

CHARGED is a solution that provides mobile charging for the mobile user. The CHARGED system can be purchased by the consumer through conveniently located CHARGED vending machines. The CHARGED vending machines feature an ergonomically designed interface allowing consumers to purchase the CHARGED package quickly and simply. The consumer receives a rechargeable battery pack and a separate soft silicone phone adaptor. They can choose from a variety of adapters to fit their type of mobile phone.

Through its closed loop system, CHARGED is able to provide convenient portable charging to the ever increasing number of mobile phone users throughout the globe.

PROJECT DESCRIPTION

PROJECT TITLE

CHARGED

PROJECT CATEGORY

Mobile Communications

DIMENSIONS

20 x 55 x 20 mm

MATERIALS

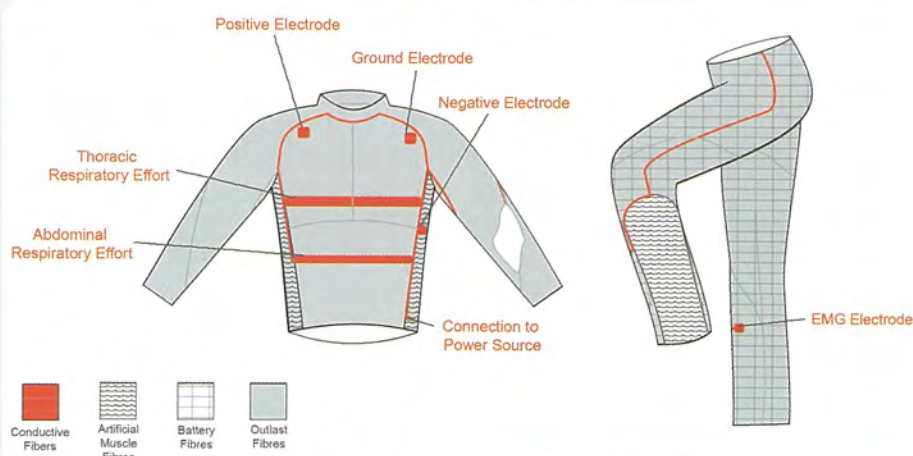
Silicone Rubber

MANUFACTURING PROCESS

Injection Moulding | Ultrasonic Welding

PHOTO





← Conductive fibre sensors and comfort enhancing features are woven into the fabric.

↑↑ Data processor is contoured to the forearm to minimise discomfort and disruption to normal sleeping habits

↑ When not in use the processor is removed from the sleeve and placed in the charging dock.

CAPTIONS

Studies have proven that a 'good' rest has positive correlations with blood pressure, weight loss, and general mental health. These studies also show that a high percentage of the population suffers from either a lack of sleep or poor quality sleep. In most cases, this can be attributed to one of over 80 different sleep disorders, many of which can be treated. To diagnose the correct disorder the patient must undergo a sleep study that can be expensive, time consuming, and uncomfortable – all of which can affect the patient at some point in the study and therefore affect the results.

The Diagnostic Pyjamas combines emerging smart fabric technology with the concept of a portable diagnostic system and an understanding of the human body at rest. Using 'smart' conductive fabric eliminates the need for wires making the system easier for the patient to set up, while the data processor is located in an unobtrusive area of the body allowing the patient to sleep naturally, thus providing more accurate results for the study as well as making the patient feel more comfortable.

PROJECT DESCRIPTION



PHOTO

DSSD - Diagnostic System for Sleep Disorders PROJECT TITLE

Pyjamas: Standard sizes | Moulding: 186 x 100 x 52 mm DIMENSIONS

Cotton/Nylon/Elastane | Conductive fibres | Polycarbonate MATERIALS

Computer knitted textiles | Injection Moulding MANUFACTURING PROCESS

Medical

PROJECT CATEGORY

sluggRugg



Penguinelli



The SluggRugg is informed by the sensitivity of the contemporary space of the home. Space is no longer defined or permanent... but convenient, versatile, resourceful, and open to interpretation. The SluggRugg is an assembly of objects that facilitate the function of (much needed) comfort and rest. It has limitless forms and configurations to assist varied modes of relaxation.

The Rugg component is a plain rectangle that transforms by wrapping around the Slugg components, which are pods that can slot collectively as supports, into soft and sensual 3D curves. Together, they become a place to walk, sit, or lie on; a prop to lounge your body against; or something to simply cuddle or hold.

Its flexible handling offers a practical solution to the availability of space and storage. It appeals to the senses of touch (a choice of warm and soft textiles) and smell (a choice of embedded aromas).

PROJECT DESCRIPTION

PROJECT TITLE

SluggRugg

PROJECT CATEGORY

Home Furnishing

DIMENSIONS

1800 x 1500 x (10–30) mm

MATERIALS

Yarns | Bendable Plywood | Polyurethane

MANUFACTURING PROCESS

PSewing | Heat Pressing | Upholstery



PHOTO

CONTACT NUM.

0424 008 973

EMAIL ADDRESS

penguinelli@hotmail.com

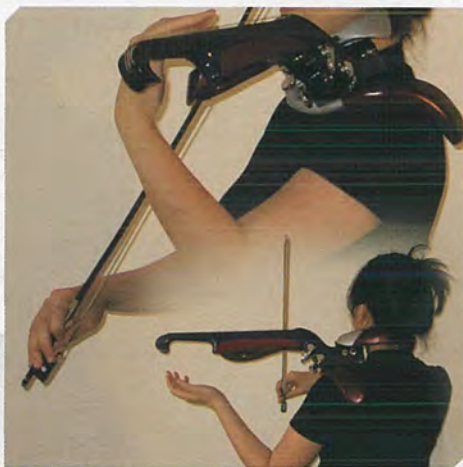
STUDENT

Linda Hien



Ergonomic Violin

Self-Supporting System



←← The lower frame may be folded, detached and flipped, to clip onto the back of the body. Thus preserving the original length of the instrument when not in use.

← Back and side views of EV in playing position.

CAPTIONS

EV is an innovative high-end electric violin designed to suit the player, both in personality and ergonomics. Its lightweight carbon fibre body is durable, with a sleek and versatile appearance to couple with a range of detachable frames. These frames are interchangeable, making EV a stylistically customizable violin, to suit the player's persona or the setting of the performance.

The interchangeable frames, include a 'self-supporting' option, where the player no longer needs to grip the instrument under the chin whilst playing. This eliminates the long-standing problem of playing-related musculoskeletal disorders (PRMDs) in violinists' necks and shoulders.

The component of this frame which sits around the players' neck, and the lip which curves around the shoulder, are made from a high-tech Shape-Memory Polymer. This allows players to conform the shape of the frame to their own body dimensions at the critical comfort areas. The re-shaping of the frame is a reversible process and may be changed as often as required.

EV acknowledges the many facets of a player's individuality. It exists as both a solution to an ergonomic problem, and a celebration of the colourful personalities of violinists.

PROJECT DESCRIPTION

EV – Ergonomic Violin

PROJECT TITLE

170 x 620 x 170 mm

DIMENSIONS

Musical Instrument

PROJECT CATEGORY

PAN Carbon Fibre Reinforced Composite | Veriflex ®

MATERIALS

VaRTM | Injection Moulding

MANUFACTURING PROCESS



IND12



HERO SHOT



Thai on Tuesday, won tons on Wednesday, fish and chips on Friday, or Italian instead? Dining out in Sydney is a multicultural synergy of flavours and styles – and so is dining in.

A casual dinner with good food, good wine and good friends: the makings of a good night. A meal where food is shared from bowls on the table encourages interaction, and is conducive to a relaxed atmosphere. This in turn deepens the social bonding ritual that sharing a meal is, letting the participants focus their attention on each other, not having to concentrate on observing strict rules of etiquette.

The fEast tableware attempts to embody the intersection of these two ideas. It comprises of five bowls of various sizes and shapes, which lets the user pick and choose the number and configuration of bowls appropriate for any one meal – perfect for the impulsive and informal dining style of Sydneysiders. The bowls are ram pressed in Southern Ice porcelain, a material noted for its lucidity and brilliance.



PHOTO

PROJECT DESCRIPTION

PROJECT TITLE

fEast

PROJECT CATEGORY

Tableware

DIMENSIONS

Varies from the range ~Ø 350 - ~ Ø 150 mm

MATERIALS

Southern Ice Porcelain | Clear Glaze

MANUFACTURING PROCESS

Ram Pressing



- ↑↑ The device is small to allow the user to carry it around easily.
- ↑ Scan the barcode by placing the scanning port towards the barcode, sliding it from one end to another.
- ← Three colour groups are GREEN = Daily Food, AMBER= Sometimes Food and RED = Once-in-awhile Food.

CAPTIONS

Childhood obesity is a serious problem in many countries. It is said to be one of the biggest diseases of this century. In today's market, there are thousands of food products available that offer taste without concern for the nutrition required by the consumer. Children are more inclined to develop bad eating habits through consuming these products.

Scan4Food is an educational tool which allows children to easily differentiate healthy food products from unhealthy food products. This device targets parents and children aged from 5 to 8. It is necessary for children to develop healthy eating habits at a young age. This device is to encourage children to learn how to choose their own food.

This device utilizes a barcode scanning system. When the barcode of the food product is scanned, LED lights will light up to indicate which categories the food products fall into. The colour groups are identified according to the NSW Government's Healthy Canteen Strategy. Information such as ingredients and basic nutrition will be available as this product also aims to help children with food allergies.

PROJECT DESCRIPTION



PHOTO

Scan4Food

PROJECT TITLE

70 x 70 x 25 mm

DIMENSIONS

Educational Tool

PROJECT CATEGORY

HDPE | Acrylic
Injection Moulding

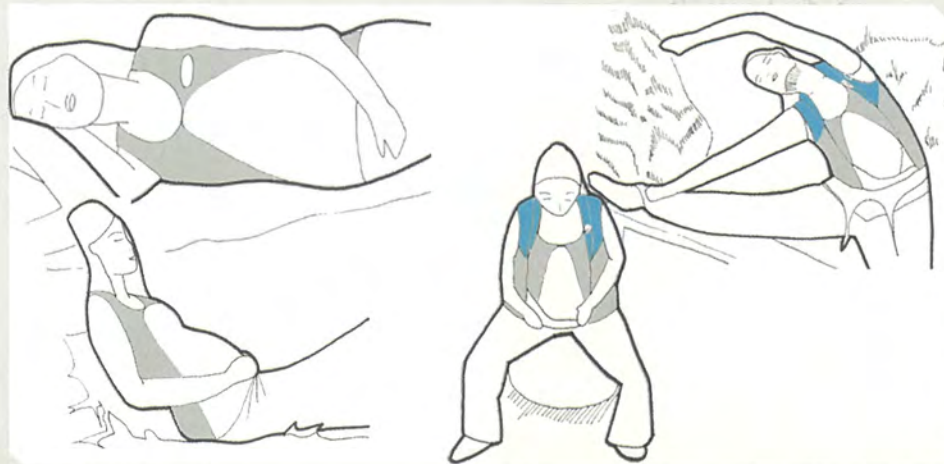
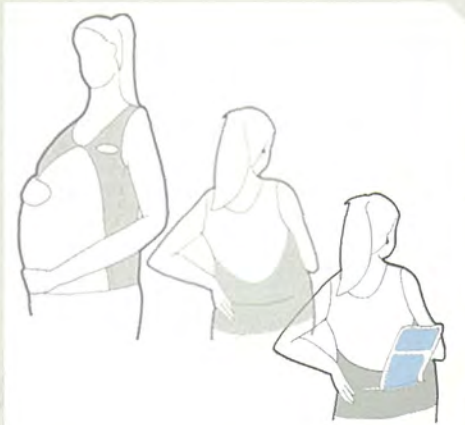
MATERIALS

MANUFACTURING PROCESS

Em-brace



HERO SHOT



- ↖ Em-brace is a "comfort and flexibility" wearable.
- ↑↑ The make-up of Em-brace.
- ↑ Insertion of the hot/cold pack in cushioning.
- ← Em-brace being worn as active wear or sleep-wear.

CAPTIONS

Em-brace is a wearable design for pregnant women. It provides a comfortable system that will cater to their body's changing needs.

Em-brace provides user control and flexibility in achieving optimum comfort during both resting and active times. The design consists of a vest, a singlet, a heart rate monitor and cushioning, where a hot/cold pack can be inserted.

Em-brace becomes active wear when the vest and singlet are worn as one in order for the heart rate monitor to operate. It is important not to over exert yourself or put the unborn child at risk. The heart rate monitor signals the user to rest if her heart rate reaches the maximum level (140 bpm).

When the user wishes to rest, the singlet can be worn on its own, in which a foam cushion or hot/cold pack can be inserted into the back pocket to relieve the pressure on the lower back or to overcome other muscle strains.

PROJECT DESCRIPTION

PROJECT TITLE

Em-brace

PROJECT CATEGORY

Lifestyle / Wearable Design

DIMENSIONS

Standard womenswear sizes (8-16)

MATERIALS

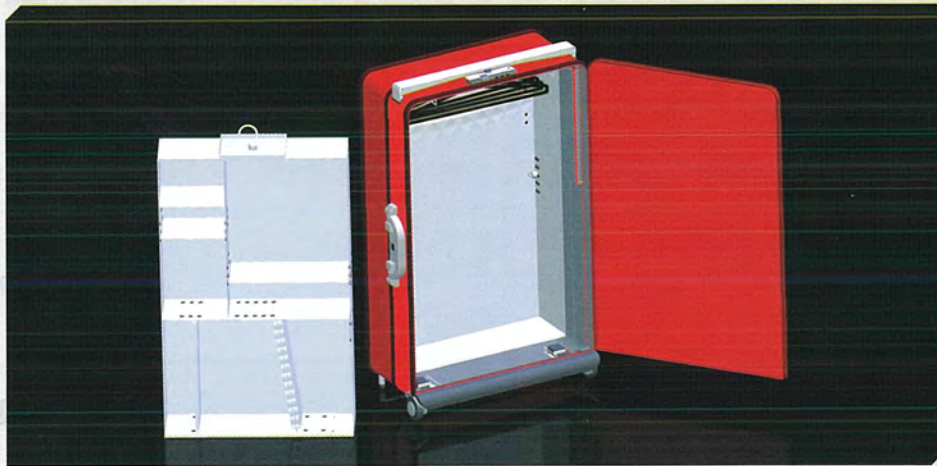
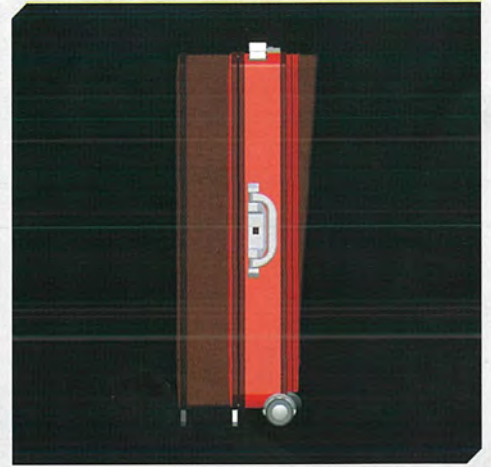
Hydro-mesh | Polyurethane foam | ABS

MANUFACTURING PROCESS

Overlock & Top Stitching | Thermoforming

PHOTO





- ↑↑ The front half of the suitcase is collapsible for pre-trip storage and an expandable pouch at the back.
- ↑ RFID tracks location of luggage.
- ← Flexible interior units allow hanging in wall robes and flexible compartments fit any size clothing and accessories.

CAPTIONS

Travelling is an increasingly popular activity for people in the 21st century. In recent years travel marketers have become aware of the potential business women market and revealed the psychological, physical and socialization needs for travelling business women.

Slimline is a flexible suitcase designed for business women who need to travel frequently. It is designed to help business women all the way from pre-trip to post-trip. Storing of the luggage, packing of clothes and accessories, security issues and unpacking of clothes have all been considered.

Slimline has three major features – a semi rigid body allows ability to collapse and expand; two flexible interior packing units allow efficient packing/unpacking; and a RFID tag allows tracking of luggage as well as storing personal details.

With its flexible interior and exterior, Slimline makes business travelling a much more relaxing task.

PROJECT DESCRIPTION



PHOTO

Slim Line

PROJECT TITLE

470 x 810 x 260 mm

DIMENSIONS

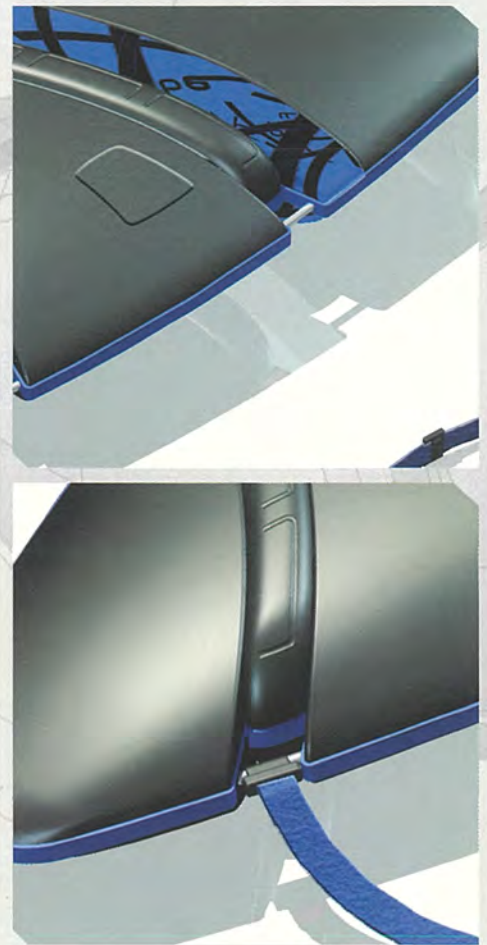
Luggage

PROJECT CATEGORY

ABS Polycarbonate Blend | Polyester woven with dyneema MATERIALS

Injection Molding | Die Casting | Extrusion

MANUFACTURING PROCESS



← TUBE

- ↑↑ Recessed ID slip, aesthetic detail on the outer skin, and a smooth line around the entire cover from the offset tubing.
- ↑ Snap fitting strap clip.
- ← Universal strap can be configured to carry TUBE in different configurations, including a backpack.

CAPTIONS

Deeply rooted in Australian culture, surfing has become the obsession of many. No longer do local breaks suffice in the search for the ultimate wave. Surfers travel far and wide, via planes, trains and dubious automobiles in search of the perfect wave. Tube is a product that gives peace of mind to travelling surfers. With a surfer's sole tool being their surfboard, the protection of this is fundamental to the quality of each surfing experience. Based on the human body, TUBE's rigid skeleton, inflatable rubber tubing and moulded silicon skin surpasses the protection provided by other travel bags on the market. The materials have been chosen to create effective & aesthetically pleasing protection, with the avoidance of 'excess baggage' - relating both to extra transport costs and individual comfort.

Its design mimics that of custom made surfboard specifications where a nose and tail shape is selected. These two halves, available in varying lengths allow for greater adaptability to a wider range of surfboard shapes and sizes, without jeopardising the safety of the board. As surfers often travel with more than one board, TUBE is also available in double and triple covers, with wheels for easier maneuverability.

With TUBE, a surfer's only worry is getting in the tube.

PROJECT DESCRIPTION



PHOTO

PROJECT TITLE

Secure Surfboard Protection |SSP|

PROJECT CATEGORY

Sporting Goods

DIMENSIONS

MATERIALS

MANUFACTURING PROCESS

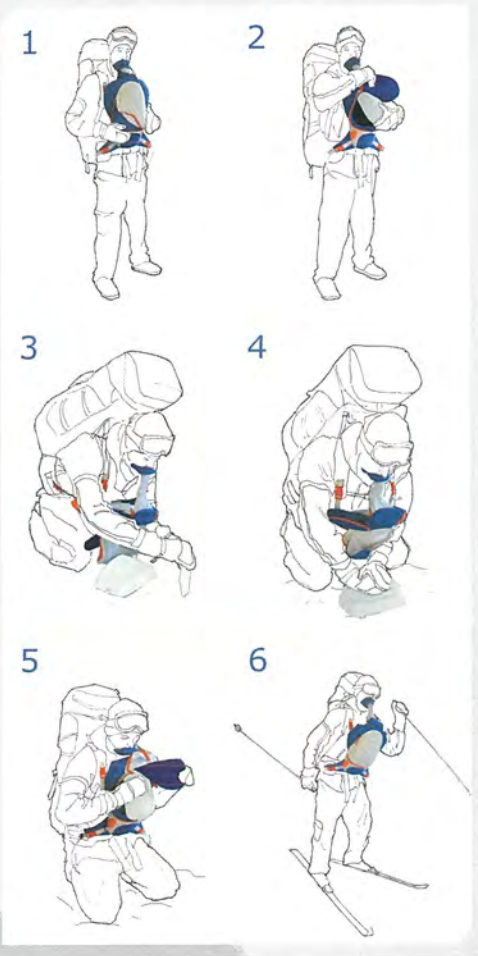
Available in increasing in increments of 6".

Silicon | Polycarbonate | E.V.A. Foam

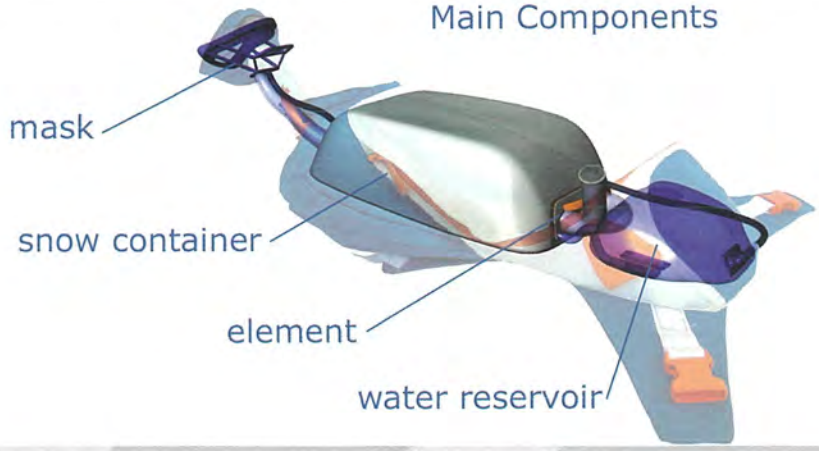
Injection moulding | Thermoforming



HERO SHOT



Main Components



- 1 Open pack.
- 2 Take out the snow container.
- 3 Fill it up with snow.
- 4 Invert the snow compartments lid and use it to compact the snow.
- 5 Place the snow container back in the pack.
- 6 Place the mask over the mouth, warm breath will start to melt the snow.

CAPTIONS

A snowfield is essentially a desert. Water consumed while camping in the snow must either be brought along or produced by melting ice and snow. Bringing water for more than one day is inconvenient and melting snow and ice consumes fuel and a lot of time.

Proposed is a product that provides cross-country skiers with drinking water produced by melting snow using the excess heat in their exhaled breath.

The product's key components are a heat exchanger, a container for compacting and melting snow, a bladder for keeping the water and a mask for capturing and ducting the exhaled air to the heat exchanger as well as providing a mouth-piece to drink from.

User benefits are: increased performance, shorter recovery times, elimination of the dangers of dehydration, time and fuel savings.

PROJECT DESCRIPTION

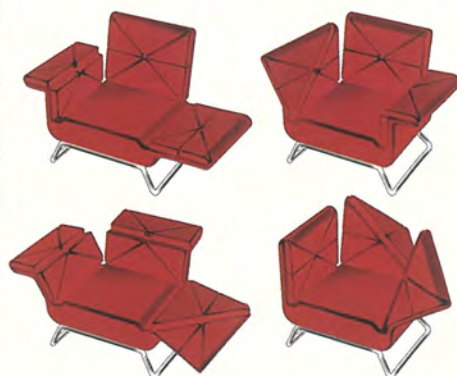
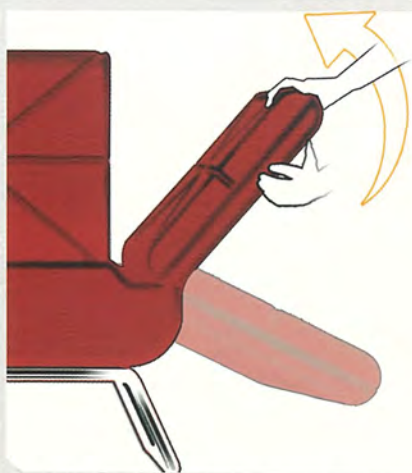


PHOTO

Element	PROJECT TITLE	370 x 520 x 110 mm	DIMENSIONS
Camping / Sports Gear	PROJECT CATEGORY	Cordura Lexan Silicon	MATERIALS
		Injection moulding Sewing Die-casting	MANUFACTURING PROCESS



igami modular armchair



When a human personalises a possession, they attach personal meaning to the object. The person who performs the personalisation is the person who most readily recognises the change and therefore recognises the meaning. Also, by cultivating the change in the object themselves, the object becomes reflective of them and therefore meaning is increased in the development of the object. The *igami* chair is a modular armchair that provides an abundant number of configurations for multiple postures and positions for lounging. By providing such flexibility, the user is able to sculpt and shape the furniture into their desired form, suiting individual taste or particular sitting style.

Taking inspiration from the art of Japanese paper folding, the *igami* chair allows the user to bend the arms and backrest along various points. Using a system of multiple hinges in different rotational axes, *igami* possesses a wide range of rotational movement. The user develops a meaningful relationship with the chair in the active experience of being able to modify and shape the chair and being able to enjoy the passive sitting experience of their chair. The user gains a sense of accomplishment as the chair embodies the absolute ideal form that the sitter finds most comfortable and suitable for given sitting needs.

PROJECT DESCRIPTION

PHOTO

PROJECT TITLE

Igami – Folding Modular Armchair

DIMENSIONS

800 x 840 x 750 mm

MATERIALS

High tensile steel | Polyurethane Foam | Wool

PROJECT CATEGORY

Furniture

MANUFACTURING PROCESS

Expanded Foam Moulding | Upholstering

CONTACT NUM-

0408 232 938

EMAIL ADDRESS

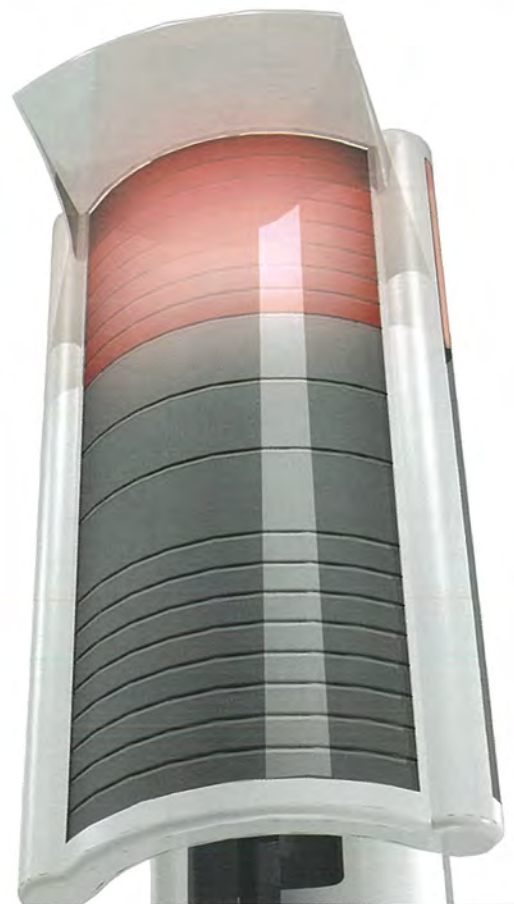
makurday@yahoo.com.au

STUDENT Lowell Mak

27

SCROLL

INTERACTIVE STRIP TRAFFIC LANTERN SIGNAL UNIT



According to RTA reports, car accidents occurring at traffic junctions are on the rise. These accidents are often caused by the inexperienced or drivers with slower reflexes, as they are unable to make safe and timely decisions at traffic junctions. Failing to make accurate decisions as to when to start, reduce speed or stop the car and similar poor choices make these drivers a road hazard to other vehicles as well as pedestrians.

SCROLL, an interactive strip traffic lantern unit system, installed at traffic junctions, aimed at learners and new drivers with less than 2 years of experienced. It is also targeted to benefit and assist elderly drivers aged 75 and above. The purpose of SCROLL is to increase the level of traffic awareness and improve road safety through its gradual strip layers lighting system. A gradual change in the lights will compensate for the inexperience and slower reflexes of the targeted groups. This system pre-alerts and informs the driver of the impending change in traffic flow as instructed by the change of the traffic lights' colours. Through the innovative use of strip layers of lighting, the motorist is informed of the time change of the signals, enabling him to gauge and wisely prioritise his primary and secondary tasks inside the vehicles.

PROJECT DESCRIPTION



PHOTO

SCROLL – INTERACTIVE STRIP TRAFFIC

PROJECT TITLE

800mm x 400mm x 95 mm

DIMENSIONS

Polycarbonate | Polyethylene | Plywood

MATERIALS

Outdoor Traffic Junction Installations

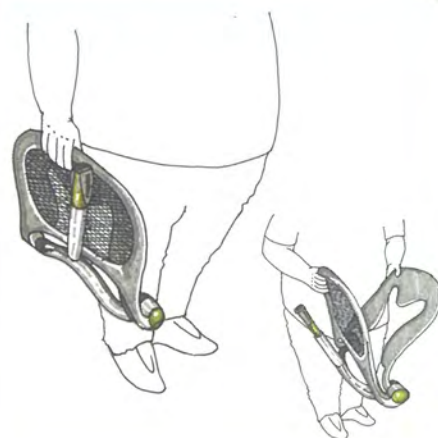
PROJECT CATEGORY

Injection moulding | Laser Cutting

MANUFACTURING PROCESS



OB EX



↖ OBEX

↑↑ OBEX detail

↑ OBEX unfolds out of compact storage position into open position for usage.

← OBEX is placed on the user's desired chair. It then helps the user into a seated position. The user can then undertake a variety of exercises and motions as well as being able to adjust the intensity of exercise. Upon getting out of the chair, OBEX assists the user's upward motion.

CAPTIONS

Obesity is becoming an increasing concern due to its growing prevalence and associated health risks. The treatment requires a combination of behavioural, dietary and physical changes. For the very obese, those with a body mass index (BMI) of 40 or more, the undertaking of physical activity is impaired by the pain experienced in hip and knee joints due to increased loading, loss of mobility due to size, and the inability of exercise products to support their size and weight.

OBEX is an aid for the very obese that enables them to improve their mobility through toning their muscles and improving flexibility, allowing them to more easily undertake regular physical activity. Its portable and foldout design allows it to be transported and used in conjunction with the user's choice of chairs. Once unfolded and placed on the chair the user can sit into OBEX. The use of a spring mechanism provides resistance against the user allowing for an assisted entry into the chair. Once seated the user can undertake a variety of exercises and motions without their legs having to support their weight. The intensity of exercise can easily be adjusted to suit the user's ability and progression. As the user gets out of their chair OBEX provides an upward assistance, making their exit less arduous.

PROJECT DESCRIPTION



PHOTO

PROJECT TITLE

OBEX. Obesity and Exercise

DIMENSIONS

600 x 450 x 130mm

MATERIALS

Reinforced polyester | Stainless steel | Polyester Mesh

PROJECT CATEGORY

Exercise Equipment

MANUFACTURING PROCESS

Injection Moulding | Die Casting



↑↑ Compression sock with removable polyethylene inserts limits both swelling and lateral movement.
02 After dance shoe with a flexible polyurethane sole.

↑ Ankle support limits plantar flexion and supports the damaged ligaments, fitted via the Velcro closure.
04 The system is completely modular and interchangeable.

CAPTIONS

The Isadora Shoe and Ankle Brace is a system that facilitates rehabilitation of ankle injuries in female dancers. Many modern dance routines require the dancer to go beyond the normal ranges of human movement. As such, up to 89% of professional dancers suffer from ankle injury. This is hardly surprising considering the extreme nature of both the activity and the associated footwear. This high rate of injury combined with a lack of rehabilitative solutions gives rise to the need for a dedicated product.

By conceiving a modular support system whilst addressing the issues that arise from traditional, physical, social and aesthetic factors, we have created a product that is designed specifically for dancers. The Isadora system, or any of the individual parts, can be worn during warm-up or post-dance on a daily basis, effectively providing plantar and lateral support for a damaged ankle without aesthetically implying a medical function.

In dance, as in any athletic endeavour, there will always be injuries. Computer knitted compression and interchangeable plastic inserts allow the dancer to customise the product to suit each foot and each injury.

PROJECT DESCRIPTION



PHOTO

Isadora Shoe and Ankle Brace

PROJECT TITLE

Women's shoe sizes small, medium and large.

DIMENSIONS

Polyurethane | Neoprene | Leather

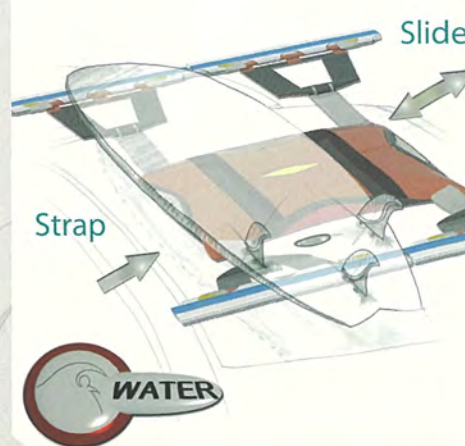
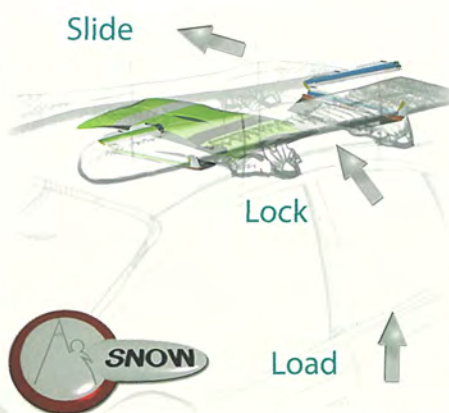
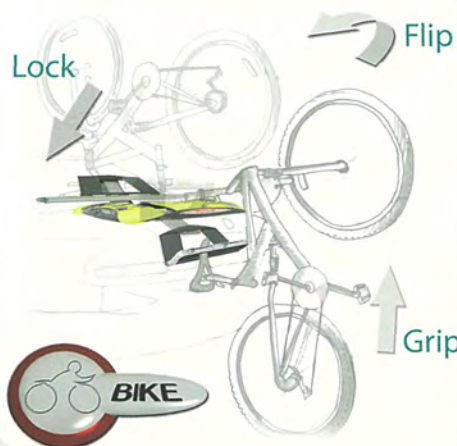
MATERIALS

Footwear

PROJECT CATEGORY

Computer knitting | Injection moulding

MANUFACTURING PROCESS



With the rapid and continual development of the automotive and sporting industries the destination hardware' has failed to keep up with the pace. Load carriers for vehicles are currently not meeting the needs of the adventure and action sporting market, presenting many problems for the users. Avova has evolved from traditional sports roof racks to be a magnetically mounted vehicle equipment fastener designed to suit all vehicles with steel body surfaces. Key design features for the concept were ergonomics, safety, aerodynamics, adaptability, removability and durability. The product meets the market demand by securing all essential equipment including surfboards, snowboards, skis, bikes, kayaks and other luggage in a single multipurpose product.

Avova has a flexible silicon outer surface concealing rigid aluminum and carbon fiber support structures. A magnetic combination of neodymium and plastoferrite Flexo magnets offer the holding force required to exceed the ISO standards and remain easy to remove when necessary. Universal design techniques give the product a large potential world market. Material choices make it corrosion, UV and chemical resistant in order to function whether it be rain, hail or shine, through mud, salt and snow.

PROJECT DESCRIPTION

PROJECT TITLE

AVOVA – Sports Roof Rack

DIMENSIONS

880 x 460 x 45 mm

MATERIALS

Silicon | Aluminium | Carbon Fibre

PROJECT CATEGORY

Sports Transportation

MANUFACTURING PROCESS

Injection Moulding | Extrusion | Laser Cutting



PHOTO

Lemon

life won't be sweet without the sour.



lemon

Music & sound control unit. Speaker and buttons are hidden beneath the cover. Located on both sides of the seat.

Volume control operates by sliding finger along the touch sensitive surface of the curve.

The hidden zipper allows easy removal for cleaning purposes.

High density flexible polyurethane foam core



life won't be sweet without sour

lemon

life won't be sweet without sour.



↑↑ Audio button interface.

↑ Music/ Audio Book Readings can be updated and changed.

Various colour schemes available for Lemon.

CAPTIONS

lemon

life won't be sweet without sour



Today's children are often exposed to violence (i.e. through video games, music and movies) and for some this has led to feelings of insecurity and vulnerability while for others it has led to emotional detachment and a warped sense of society.

Lemon is a piece of furniture primarily designed to assist such children. It is designed to offer privacy, a sense of security and a safe haven within an environment. By interacting with Lemon, the child gains a sense of control, where they can re-build their confidence, willingness to communicate and trust. It becomes a personal place in which they can choose to include their loved one to share their feelings and thoughts.

This concept results from research on children with Post Traumatic Stress Disorder, however the final product is for all children. Finding inspiration from the relationship between a pregnant mother and the developing child, the design seeks to emulate that same sense of protection and nurturing through the cocoon like design. This is further supported by use of self-skinning polyurethane material to enhance the tactile comfort and feel, like being embraced by a loved one.

PROJECT DESCRIPTION

Lemon Seat

PROJECT TITLE

650 x 680 x 700 mm

DIMENSIONS

Furniture

PROJECT CATEGORY

Polyurethane (self-skinning) | Fabric | Polystyrene

MATERIALS

Moulding | Injection Moulding | Upholstery

MANUFACTURING PROCESS



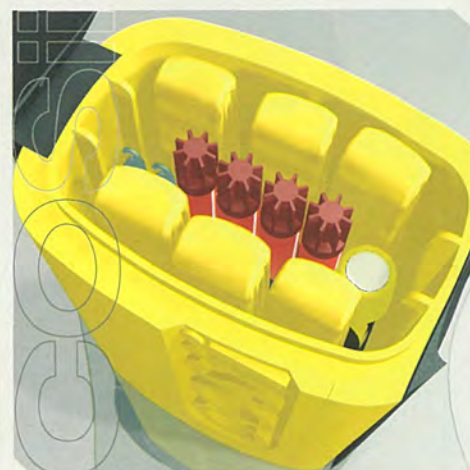
PHOTO

COSii

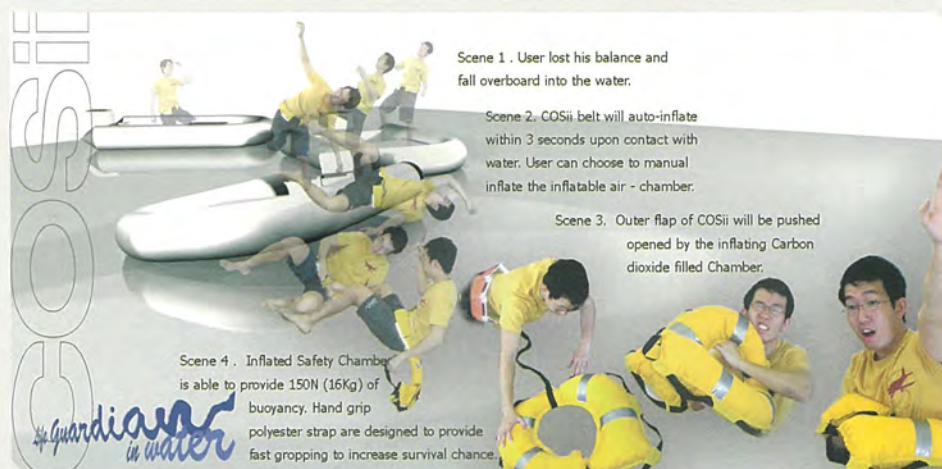


Life Guardian
in water

COSii



COSii



Scene 1 . User lost his balance and fall overboard into the water.

Scene 2. COSii belt will auto-inflate within 3 seconds upon contact with water. User can choose to manual inflate the inflatable air - chamber.

Scene 3. Outer flap of COSii will be pushed opened by the inflating Carbon dioxide filled Chamber.

Scene 4 . Inflated Safety Chamber is able to provide 150N (16Kg) of buoyancy. Hand grip polyester strap are designed to provide fast gripping to increase survival chance.

➤ Designed for small boats with a capacity of 6 passengers. 'COSii' also aims to encourage efficient management of other standard safety equipments required on board.

➤ Each 'COSii' is fitted with an inflatable air chamber and Personal Location Beacon (PLB). 'COSii' mark the entry location and feedback data to its carrier unit which relay to rescuers.

➤ Tool holder and pouch can be attached easily to the belt. In the case of an emergency, its outer casing can be used as additional bailer.

CAPTIONS

Despite risk of drowning accidents in water-related activities, people are often seen risking their life by not taking enough safety precautions. In 89% of drowning casualties, the person was not wearing a Personal Flotation Device (PFDs) and 45% of vessels involved in fatal accidents had insufficient numbers of PFDs. Studies have shown that discomfort and lack of positive image are the main reasons for young boaters and anglers not putting on a PFD.

COSii is a compact personal flotation device designed to promote use of personal protective equipment. It is designed as additional safety gear to the existing life-jacket, and aims to increase usage by better comfort and convenience.

COSii is specially designed for small boat owners and anglers. Each COSii carries a Personal Location Beacon (PLB) which marks the user's location upon hitting the water. When triggered, its inflatable chamber will release itself from its belt to provide an immediate flotation aid. An entanglement-free strap connects to the user to prevent it from drifting away. The carrier unit is designed to carry 6 COSii PFDs together with its charging dock and other standard safety equipments, providing a holistic safety system on board.

PROJECT DESCRIPTION



PHOTO

PROJECT TITLE

COSii – Life Guardian In Water

DIMENSIONS

300 x 600 x 250 mm

MATERIALS

ProCut™ Technology Textile | Coated Nylon | HIPC

PROJECT CATEGORY

Personal Protective Equipment (P.P.E.)

MANUFACTURING PROCESS Rotational moulding | High Frequency Welding

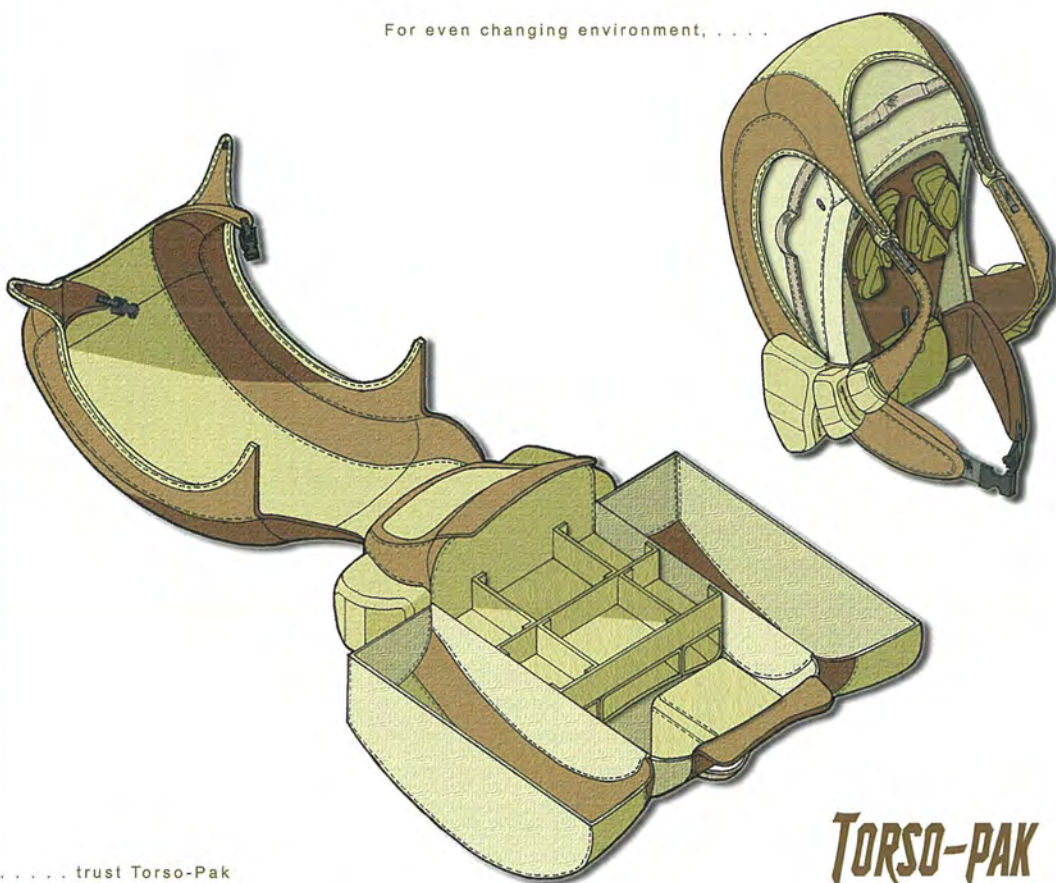
CONTACT NUMBER Oversea: (65) 91517183

EMAIL ADDRESS Tzerliang78@yahoo.com

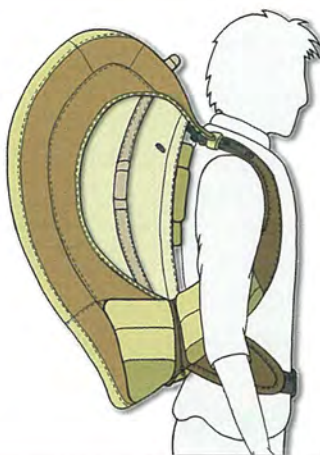
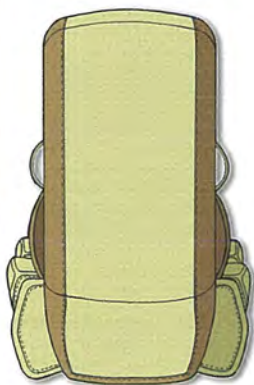
STUDENT NAME Tzer Liang, Ng

33

For even changing environment,



TORSO-PAK



↑ Front and back isometric view, featuring the design language of 'Torso-Pak'. [centre] Fully opened 'Torso-Pak' showing all its internal compartments, with detachable compartments and dividers. External cover used as a rain cover and also to compact equipments inside the backpack.

← Front view, Back view, Side view.

CAPTIONS

With the rate of permanent spinal damage increasing in Australia, people are unaware that loads carried while bushwalking and backpacking are a major cause of injury. Torso-Pak - a 75L backpack is designed to minimize spinal damage, targeting users aged 25 to 34 years old.

Torso-Pak works by bringing the load, and resultant centre of gravity, closer to the trunk. Aesthetically the pack wraps around the user, following the curvature of spine, and becoming part of the users' clothing. The form plays an important role in transferring weight to the trunk automatically. This addresses the issues associated with spinal injuries and also improves comfort with increased air circulation.

Torso-Pak is the first backpack to use woven 'Hydra-net Spectra' (sailcloth technology), which makes it very durable and gives good value for money. Some key features are 1) Adjustable lumbar support to fit torso lengths from 42cm to 55cm, 2) Clam-shell openings for easy access to all areas of the pack, 3) Aluminum back-plate to provide strength and flexibility for customizing curvature and 4) Detachable shoulder strap for easy handling.

PROJECT DESCRIPTION



PHOTO

Torso-Pak

PROJECT TITLE

360 x 800 x 380 mm

DIMENSIONS

Outdoor Adventure - Backpacking

PROJECT CATEGORY

Hydra-net Spectra | Cordura (Nylon) | EVA

MATERIALS

Industrial Sewing

MANUFACTURING PROCESS



- ↑↑ During skating, the user can store their footwear and clothing in place of the skating gear.
- ↑ The body in its natural state has flexibility - TransPOD conforms to the dynamic shape of the torso.
- ←← The user is able to route their earphone cable and attach it to the earphone holders.
- ← TransPOD can be personalised to suit the user's lifestyle.

CAPTIONS

Inline skating is a low impact sport that combines fitness and transportation. Inline skating can be a fun way to explore rural areas and the road while providing cardiovascular fitness. Transporting inline skates and protective gear can be a troublesome task for the inline skater. Inline skate carriers available on the market today are not intended to be worn whilst a person is skating because they are obtrusive and uncomfortable to the skater.

TransPOD is a light-weight inline skates carrier / backpack that is ergonomically designed so that it is comfortable to wear whilst skating. TransPOD features integrated compartments capable of carrying a pair of inline skates, protective gear, drink bottle, mp3 player and other personal items. The straps-vest system allows freedom of movement and even distribution of load in the backpack, which is crucial in maintaining a proper balance while skating.

TransPOD is designed for inline skaters who commute from place to place. TransPOD has integrated components for compartmentalised storage gives the user the flexibility to switch between wearing inline skates and footwear on the go.

PROJECT DESCRIPTION

PROJECT TITLE

Enhancing the Experience of Inline Skating

PROJECT CATEGORY

Sports Gear

DIMENSIONS

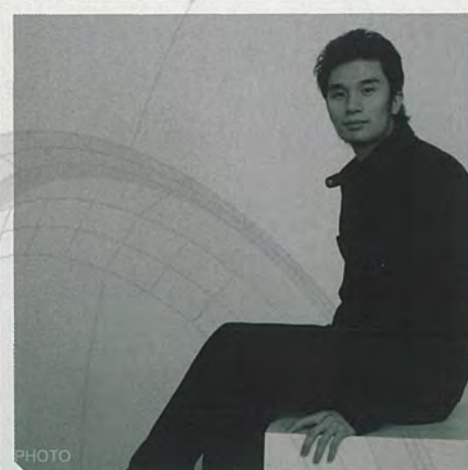
440 x 320 x 210mm

MATERIALS

PU Coated Nylon | Neoprene | Polyethylene Foam

MANUFACTURING PROCESS

Sewing | Thermoforming

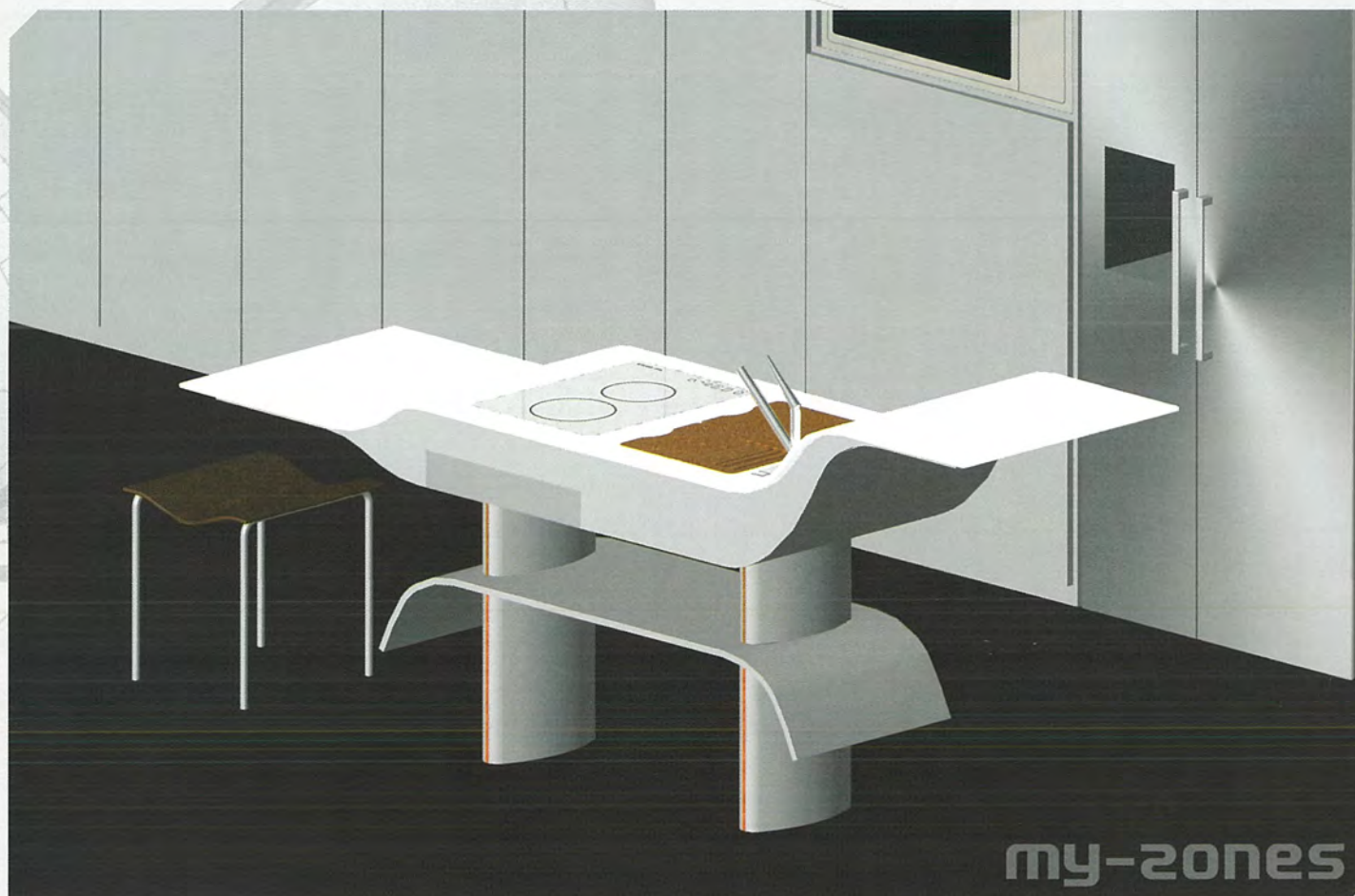


PHOTO

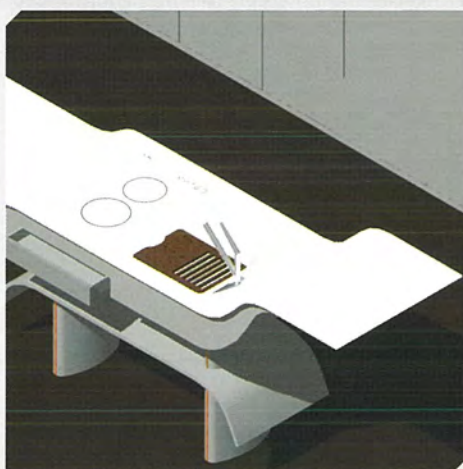
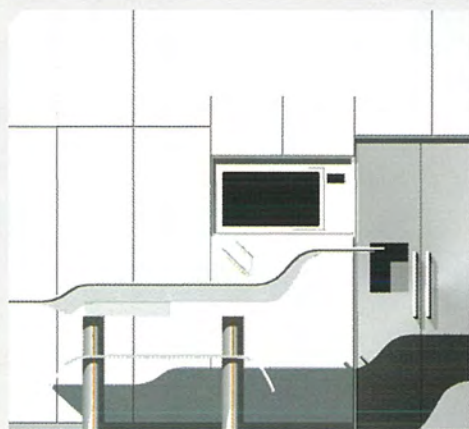
CONTACT NUMBER 0414 781 950

EMAIL ADDRESS susantio@yahoo.com

STUDENT NAME Albert Susantio



my-zones



- ↖ The difference in the height creates separate zones. Designed ergonomically to give comfort.
- ←← White Articfire Ceran panel on the induction cooktop creating a one-piece benchtop surface.
- ← Drawers to store cutlery.

CAPTIONS

In Australia single-person households are increasing in number faster than any other, and by 2006, it will be the most common type of household. This demographic is found to prefer smaller apartments, which means a greater need to maximize space efficiency and to minimize clutter.

The traditional kitchen takes up significant floor space in the unit. Revolutionizing the kitchen unit, My-Zones is a combination of preparation, cooking, washing, and dining area. The different height of the surfaces is ergonomically designed to give user maximum comfort. My-Zones is a sleek, open concept of modern kitchen-cum-furniture which creates zones within itself.

Integrated with a double hob induction cooking system, My-Zones provides an energy efficient, fast, clean, mess-free cooking area. The flat surface of the cooktop is made of white Schott's Ceran Articfire, creating a smooth uninterrupted table surface. With the versatility of mouldable Corian, a sink is moulded together with the kitchen top. The double drawers and slim cabinet provide adequate storage areas for the user.

PROJECT DESCRIPTION



PHOTO

My-Zones

PROJECT TITLE

2500 x 1200 x 700mm

DIMENSIONS

Furniture

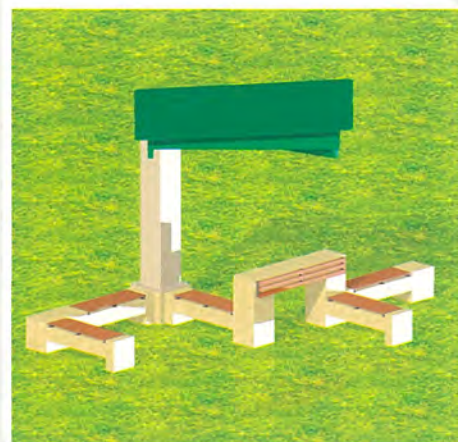
PROJECT CATEGORY

Plywood | Corian | Ceran Articfire

MATERIALS

ABentwood | Heat Formed Corian

MANUFACTURING PROCESS



↑↑ This seating system allows for great flexibility in the park environment

↑ The human drinking fountain is separate from the dogs. The dog fountain allows for multiple dogs to drink at same time.

←← Dog bin uses chute system to block out unpleasant dog waste.

← Interactive play structures includes tyre jumps and rope games.

CAPTIONS

In public situations, strangers commonly maintain a state of "civil inattention" by visually acknowledging one another's presence and then quickly looking away so as to indicate that no further interaction is desired or welcomed. Although prohibition against talking to unacquainted others makes interaction in public places strictly observed when a person is accompanied by a dog. For that reason, dogs have an important role in contributing to human social interaction.

Knine2 is a park furniture system designed specially for dog parks or parks where dogs are permitted. Knine2 is a communal area or meeting point designed for the purpose of encouraging dog owners to communicate with one another as well as maintaining social well-being for dogs.

Knine2 consists of four major facilities – a flexible seating system; a human and dogs' drinking fountain; a dog bin and dog bag dispenser, and play structures. With this new communal meeting point, people are encouraged to communicate with each other effortlessly. In the end, it is good to communication that bonds communities together.

PROJECT DESCRIPTION

PROJECT TITLE The Role of Dogs in Human Communication

PROJECT CATEGORY

Park Furniture

DIMENSIONS

MATERIALS

MANUFACTURING PROCESS

Steel | Aluminium | Concrete

Die Casting | Extrusion | Press Tools

PHOTO



NesKo



- ↖ NesKo provides a full set of playing furniture: 1 table + 1 seat + 3 storages.
- ↑ Seat and storage bins can be pulled out easily.
- ← Different sized holes for categorising toys.

CAPTIONS

Nesko is a combination of childrens' furniture and toy storage. It is designed to encourage children to pack away their toys assist formation of this habit from an early age.

Since the targeted children (3 to 5 years old) are interested in animals and their behaviours, the overall appearance is inspired by the image of a hen feeding chickens. Nesko has 3 different sized holes on the table surface with the toy storage spaces underneath. Children sweep their toys into the holes, making tidying up much easier and less time consuming.

To make it even more appealing, parents can choose different animal heads to place on top of the holes according to their Childrens' interest. Different sizes of animal head help the children to categorise their toys.

PROJECT DESCRIPTION



PHOTO

NesKo

PROJECT TITLE

1070 x 1070 x 470 mm

DIMENSIONS

HIPS | PP | MDF

MATERIALS

Children's Furniture

PROJECT CATEGORY

Blow moulding | Lathing | Rotational Casting

MANUFACTURING PROCESS



THANKYOU

The graduand class of 2005 would like to thank all those who helped us throughout the course of our degree. Special thanks go to the following mentors who were instrumental in allowing us to realise our goals for this final year.



Rina Bernabei

Oya Demirbilek

Andrew Fowkes

Kelly Freeman

Lance Green

Christian Tietz

Jonathan Talbot

Steve Ward



We would also like to take the opportunity to thank the following students who have found time away from their projects to help with the organisation and production of the 7th catalogue and exhibition.



Anders Alexander

Jennifer Anayo

Stuart Calvey

Vijay Chakravarthy

Julie Frost

Pheobe Hill

Tricia Ho

Christina Lee

Edmund Liew

Rebecca Lloyd

Emma Markezic

Lowell Mak

Max Ng



The catalogue team would also like to thank Sinead Davies and Colin Rowan for their professional guidance in the design of this catalogue.

A very special thank you also goes to Peter Kolasinski and Ray Oranato from the ID workshop who have worked tirelessly to help us bring our final projects into fruition, and complete our models on time. Your help and patience is invaluable and greatly appreciated.

BACHELOR OF INDUSTRIAL DESIGN

7⁰
fbe
UNSW

THE UNIVERSITY OF NEW SOUTH WALES FACULTY OF THE BUILT ENVIRONMENT
2005 GRADUAND EXHIBITION

THE 7° ARE:

BACHELOR OF ARCHITECTURE

BACHELOR OF BUILDING CONSTRUCTION MANAGEMENT

BACHELOR OF INDUSTRIAL DESIGN

BACHELOR OF INTERIOR ARCHITECTURE

BACHELOR OF LANDSCAPE ARCHITECTURE

BACHELOR OF PLANNING

BACHELOR OF SCIENCE (ARCHITECTURE)