



Architecture of the Small Solutions for confined spaces

Annalisa Dominoni, Milan
Victorian Government/ISS Institute Design Fellow

Are you ...

- Architect • Yacht/boat designer and builder
- Interior designer or decorator • Manufacturer
- Aerospace • Urban planner • Automotive
- Industrial and Product designer • Furniture
- Trades • Researcher • Lecturer/teacher

Suitable for those who design, manufacture, research, build, plan and educate in the field of creating solutions for confined spaces

- Apartments • Studios • Yachts and boats
- Lofts • Aerospace • Rooftop gardens
- Bungalows such as eco tourism destinations
- Mobile homes • Caravans • Courtyards
- Holiday retreats - beach, mountains, bush

Annalisa Dominoni is an architect and designer with a PhD in Industrial Design She carries out teaching and research activities in the field of extreme environment design at the INDACO Department of the Faculty of Design, Politecnico of Milan • Her projects aim at increasing comfort and adaptability in extreme and little-known environments and human conditions encompassing the design of high tech and innovative industrial products **Experience and Research** Annalisa is the Director of the SPIN-DESIGN LAB project research laboratory, characterised by a wide multidisciplinary transversality, where academic and industrial skills are combined • Research areas of SPIN-DESIGN include SPace and extreme environment, Prosthetic objects, INnovation and techno-textile DESIGN • She has developed research projects with research bodies as ENEA, and Space agencies such as ASI, Italian Space Agency, ESA, European Space Agency and NASA, with the co-operation of major industries such as Thales Alenia Space and Laben, and the other companies such as ABB, Aerosekur, Benetton Group, Domino, Electrolux Zanussi, Sealed Air, TechnoGym, Prada, Usa • Member of AIAA/DECT/ASASC (AIAA, American Institute of Aeronautics and Astronautics, DECT, Design Engineering Technical Committee, ASASC, Aerospace Architecture Subcommittee) in which she is involved in different branches such as Education and Research/Design • Experiment in Space - Her Space design projects have been tested on board the International Space Station, ISS, by the astronaut Roberto Vittori • She is Principal Investigator of VEST Experiment, an integrated clothing support system to be used in microgravity condition, launched from Baikonur Space base in Kazakhstan, MARCO POLO Mission, ASI, April 2002 • She is Principal Investigator of GOAL, Garment for Orbital Activities in weighLess, ENEIDE Mission, ESA, April

2005, obtaining the ENEIDE MISSION AWARD from ESA in appreciation of her professional dedication to the successful Eneide Mission • She developed many Feasibility Studies on habitability in extreme environment as BASE CONCORDIA in Antarctica, a Feasibility Study to design alternative solutions for interiors and equipment, ENEA, 2002, and in Space conditions as MEEMM, a Feasibility Study to increase usability of experimental equipment on Columbus Laboratory of the International Space Station, ESA, 2003 **Prizes and Awards** As well as her industry-based projects, Annalisa has participated in national and international scientific contests obtained many prizes such as the prestigious design Italian prize COMPASSO D'ORO, the first in 1995 "XVII Award COMPASSO D'ORO • Prize to Young Design", and the second in 2004 "XX Award COMPASSO D'ORO", for the results of VEST Space project research, SMAU Prize "Targa Bonetto" in 1992 and the first prize of Osram, Milan 1996 • Invited to participate in many exhibition such as "Design, Miroir Du Siècle", Grand Palais, Paris 1993, "I Nuovi Oggetti. XVII Visual Design National Award", Gallarate 1993, "Abitare il Tempo", Verona 1993, "Creapac", Paris 1995, "Abitare Il Tempo", Verona 1996, "Labirinti Di Luce", Palazzo Reale, Milan 1998 **Publications** The results of her research projects have been presented in international conferences and published in scientific journals and architecture and design journals such as Domus, Abitare, Case da Abitare, Gap Casa • From 1999 to 2001 she was Editor and Director of the technological innovation journal "Techne World Wide Magazine" • In 2002 she published the book "Industrial Design for Space" that contains the reflections and the projects for living in Space and that defines the role of design in Space project activities.



Architecture of the Small

Solutions for confined spaces

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Acknowledgement

ISS Institute would like to thank those who provided ideas and input into the development of this project, especially Christopher Harty, Training Manager, RAlA.

Design...

Annalisa will share her expertise and insights through an Italian and international perspective. A hands-on project has been designed to take participants from concept to creating a model - suitable for manufacture, encompassing design, innovation, construction techniques and materials.

This workshop examines the principal aspects in designing for living and working in confined environments, focusing on design for compact living.

Participants will be introduced to the particular context through the analysis of benefits and disadvantages of confined spaces compared to living and working in traditional buildings.

Physiological, ergonomic and psychological effects on the subjects will be discussed.

Teams will be invited to explore a new design concept to create a new design for confined spaces which will be able to be manufactured/constructed.

Consider • environmental conditions including energy efficiency, insulation, comfort, temperature, noise • natural stimuli like air and light • colour and texture • scale, repetition • privacy • spatial awareness and different perception of confined spaces • sustainability issues such as recycling • lifestyle • function • client profile such as age, gender, socio-economic status • price point such as genY, luxury materials • construction.

Format

The program comprises lectures, demonstrations, group and individual discussion. The project brings together designers and manufacturers/technicians who will work in a Space Team from the first idea to the design concept and constructing a model in scale - bringing together different perspectives and skill bases.

Each team will produce concept roughs and working drawings which depict the object's dimension, physical properties and visual characteristics.

Keywords Space • Confined environment • Sustainability • Human factors

Date•Time

September 2008

TWO-DAY WORKSHOP 1

- Friday 5 Sept, 9.30am to 5.00pm
- Saturday 6 Sept, 9.00am to 5.00pm

TWO-DAY WORKSHOP 2

Repeat of Workshop 1.

- Friday 12 Sept, 9.30am to 5.00pm
- Saturday 13 Sept, 9.00am to 5.00pm

Fee

\$380 which includes tuition, materials, use of equipment, lunch, morning and afternoon refreshments on both days.

Special Early Bird rate: \$290

for those who Register and pay prior to 22 August 2008.

Venue

Swinburne University of Technology
Faculty of Design
PA Building, 144 High Street
Prahran, Melbourne

Registration Form

I am registering for *[tick your choice please]* :

- Workshop 1** 5 Sept, 9.30am - 5pm and 6 Sept, 9am - 5.00pm
OR
 Workshop 2 Workshop 2 is a repeat of Workshop 1
12 Sept, 9.30am - 5pm and 13 Sept, 9am - 5.00pm

Fee *Tick appropriate box please*

- \$380 **Workshop**
 \$290 Special Early Bird rate

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Architecture of the Small

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

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Conditions of Registration

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

Your Signature _____ Date _____

PLEASE READ

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

• Conditions of Registration Complete the registration form attached. Registration 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 first-come-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 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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