Design & Health
5th World Congress and Exhibition

Glasgow, UK       June 27th - July 1st 2007
An international forum for continuous dialogue between researchers and practitioners
Dear Colleagues and Friends

With great pleasure we invite you to attend the 5th World Congress on Design & Health (WCDH2007) as we celebrate the 10th Anniversary of the International Academy for Design and Health. The Congress will be held at the Hilton Hotel in Glasgow, UK from June 27th to July 1st, 2007. This year, Design & Health will introduce four Academy Awards, presented in separate categories to encourage and acknowledge professionals within the field. In addition, a varied social and cultural program will be offered as an important part of the Congress. Our conference venue at the Hilton Hotel is located in the heart of Glasgow city centre.

The number of submitted scientific and professional contributions is steadily increasing. The Congress will bring together many highly qualified speakers from every part of the world. Their presentations will cover the latest topics in the field of Design and Health. The scientific programme will offer delegates innovative and stimulating topics with a broad range of plenary sessions. Poster presentations and exhibitions will provide extensive networking opportunities for organizations and delegates to share their work. In order to bring together a wide spectrum of perspectives, sessions will include presentations by physicians, psychologists, designers, architects, planners, artists, nursing professionals and economists. The rich selection of conference sessions highlights the importance and value of the interdisciplinary approach.

Topics addressed at the Congress include research on the following topics: Community Design; Designing Health Care Settings to Promote Health; Designing for Patient Safety; Health Effects of Colour and Light; Designing Environments for Women and Children; Improving Performance through Aesthetics; Designing for Senior Care; Patient perspectives on the Hospital Environment; New International Hospital Designs; Effects of Art; Music and Garden Design on Healthcare Outcomes and finally, presentations on several PFI-Build Projects in the United Kingdom.

Our goal is to make this Congress a most enriching experience for all participants and look forward to seeing you in Glasgow. To greet old friends and make new ones, join us at the Opening Ceremonies to celebrate the 10th Anniversary of the Academy on June 27th, 2007!

Prof. Alan Dilani, Ph.D.
Chair Organizing Committee

Prof. Romano Del Nord
Chair Scientific Committee
Organization and Information

Organizing Committee:
Alan Dilani, Ph.D.
Head of Research Center Design & Health, Sweden
Agnete Morelli, M.Sc.
Research Center Design & Health, Sweden
Anna Sillitti, M.Sc.
Research Center Design & Health, Sweden
Andrew Pinkerton, Keppie Design, UK
Emma Sykes, Keppie Design, UK
Romano Del Nord, Professor,
Deputy Rector of University of Florence, Italy
Daniela Sorana, University of Florence, Italy
Jeannette Paul, University of Dundee, UK

International Advisory Committee:
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Healthstone Alzheimer Care, USA
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McGill University Health Center, Canada
Hartmut Wernich, Light Alliance, Germany
Lisa Catanzaro, Smith Group Architecture, USA
Jane Carthey, Center for Health Assets, Australia
Nadia Tobia, PEB Architects, Toronto, Canada
Tye S. Farrow, Farrow Partnership Architects,
Toronto, Canada
Ian Forbes, National Director,
Health Woodhead International, Australia
Faye Ledoux, Vice President Ellerbe Becket, USA
Mikael Paatel, Paatea & Paatea Architects,
Helsinki, Finland
Paul Robertson, Professor
Director of the Music Mind Spirit Trust, UK

Important Addresses and Telephone numbers
For all inquiries relating to the Conference program, organization and sponsorship, please contact:
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Important Dates
- 15 February 2007
Completed manuscript due to the conference secretariat
- 15 April 2007
Deadline for registration and payment of fee at a reduced rate
- June 2007
Book including Abstract and Final Program
- 27th June - 1st July, 2007
Congress
- June 2008 WCDH 2007
Proceedings book will be mailed to participants

Registration and Accommodation
For all inquiries relating to registration and accommodation, please contact:
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E-mail: academy@designandhealth.com
Internet: www.designandhealth.com

Conference Venue
Hilton Hotel Glasgow
1 William Street
Glasgow G3 8HT, UK
www.hilton.co.uk

Uniting the disciplines of architecture, design, psychology, health sciences and economics.

Spreading knowledge of how health and well-being is increased through environmental design!
International Academy for Design and Health
World Congress and Exhibition
Glasgow, UK 27th June - 31st July

Preliminary Program

Wednesday June 27th, 2007

14:00 - 18:00 Registration at Hilton Hotel, 1 William Street, Glasgow

18:00 - 21:00 Welcome Dinner and Opening Ceremony
    Welcome Speech by Government Authority and The International Academy for Design & Health
    Music Performance by Prof. Paul Robertson

Thursday June 28th, 2007

8:00 - 8:30 Late Registration

9:00 - 10:00 Session 1: Introduction - 10th Anniversary Design & Health
    Chair: Romano Del Nord, (Italy) Chair of Scientific Committee
           Alan Dilani, (Sweden), Chair Organizing Committee
           Jacqueline Vischer, (Canada) Board Member Scientific Committee
           John Zeisel, (USA) Chair International Advisory

10:00 - 10:30 Coffee Break

10:30 - 12:30 Session 2: Community Design - Healthy Places & Healthy People
    Chair: Jeanette Paul (UK)
           Kate Trant (UK) Healthy Places, Healthy People
           Irene McAra-William (UK) Crafting Community: Design for Wellbeing
           Michael Moxam (Canada) Community Canvas-A Drive in Architecture for Health
           Mary Anne Alabanza Akers (USA) Building Healthy Community by Designing

Discussion

12:30 - 14:00 Lunch, Trade Show and Posters

14:00 - 16:00 Session 3: Designing Environments for Women and Children
    Chair: John Wells-Thorpe (UK)
           Rotraut Walden (Germany) A Children’s Hospital of the Future: A User Needs Analysis
           Joe Lewit (Australia) A Health Promotion Design Approach for Women and Infants
           James Padury (USA) Neonatal Medical Evidence and Design Implementations
           Ian Forbes (Australia) Architecture – Supportive Design in Women’s Health

Discussion

16:00 - 16:30 Coffee Break
16:30 - 18:00  Session 4: Designing for Senior Care  
Chair: Mohinder S. Datta (USA)  
Uriel Cohen (USA) The Role of the Physical Environment in Elderly Patient’ Safety  
John Zeisel (USA) Designing for Alzheimer Care  
Paul Roberson (UK) Music in Alzheimer Care  
Discussion

18:00 - 19:00  Trade Show and Posters

Friday June 29th, 2007

8:30 - 9:00  Late Registration

9:00 -10:30  Session 5: Models and Principles in Designing Healthcare  
Chair: Elliot Paul Rothman, (USA)  
Marlene J. Berkoff (USA) Healthcare Facilities Strategic Decision-Making Model  
Michael Phiri, (UK) Design Tools in Health Care  
Eleanor Forrest (UK) Integrating Human Factors Principles into Design

10:30 - 11:00  Coffee Break

11:00 - 12:30  Session 6: The Hospital Building and Flexibility  
Chair: Derek Parker (USA)  
Henny van Laarhoven (Netherlands) Orbis Medical Park  
Mahbub Rashid (USA) A Decade of Adult Intensive Care Unit: Best Practice Examples  
Ed Jakmahu (USA) Robots in Operating Rooms  
Discussion

12:30 - 14:00  Lunch, Trade Show and Posters

14:00 - 16:00  Session 7: Designing Health Care Settings to Promote Health  
Chair: David Stark (UK)  
Aki Linden (Finland) The Hospital Manager in Leadership to Promote Good Design  
Peter Scher (UK) Evidence Based Practice for Supportive Health Care Design  
Diana Andersson (Canada) Patient and Family Preferences for Healthcare Design  
Irene F. Stevenson (UK) The Dundee Maggie’s Centre: Developing Evaluations to Promote Wellbeing  
Discussion

16:00 - 16:30  Coffee Break

16:30 - 18:00  Session 8: Designing for Patient Safety  
Chair: Peter Scher (UK)  
Alastair S. MacDonald (UK) Patient Pathways: Using Innovative Design  
Kenneth N.Dickerman(USA) Why Healthcare Buildings Contribute to the Error Epidemic  
Ian Sinclair (Canada) The Case for Nursing-Focused Design  
Discussion

18:00 - 19:00  Trade Show and Posters
**Saturday June 30th, 2007**

8:30 - 9:00  Late Registration

9:00 - 10:30  Session 9: Health Effects of Color and Light  
Chair:  Jacqueline Vischer (Canada)  
Gordon Chong (USA) The affects of Color and Light on Health  
Ihab Elzeyadi (USA) Healthy Offices: Day lighting Quality and Employee’s Sick Leave  
Vikash Banwarie (Netherlands) Creating Less Intimidating Hospital Ambience with Lighting

10:30 - 11:00  Coffee Break

11:00 - 12:30  Session 10: Perspectives on the Hospital Environment  
Chair:  Nadia Tobia (Canada)  
Lynne Wilson (Canada) The Economic Benefits of Good Hospital Design  
Meena P. Kumari (India) Appraisal of Cancer Hospital Design: A Patient Perspective  
Carl Aubut (Canada) The Make-over of a Forensic Psychiatric Hospital

Discussion

12:30 - 14:00  Lunch, Trade Show and Posters

14:00 - 15:30  Session 11: Improving Hospital Performance  
Chair:  Romano Del Nord (Italy)  
Karen Taylor (UK) Patient Needs to Design Future Healthcare Bed Spaces  
Annmarie Adams (Canada) The Pediatric Hospital Atrium: Designing for Sick Kids  
Shauna Corry (USA) Universal Design: Contributing to Quality Work Environments

Discussion

15:30 - 16:00  Coffee Break

16:00 - 17:30  Session 12: Healthy Space for Learning Performance  
Chair:  Ed Jakmauh (USA)  
Clare C. Marcus (USA) Patient Specific Health Garden  
Torbjörn Almqvist (Sweden) The School as a Healthy Learning Environment  
Ruzica B. Stamenovic (Singapore) The Healthy Public Space

Discussion

17:30 - 19:00  Trade Show and Posters

19:00 - 23:00  Academy Award Ceremony, Gala Dinner and Cultural Program

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**Sunday July 1st, 2007**  
9:00 - 15:00  Architectural Study Tours

- Healthcare; Royal Infirmary of Edinburgh, a 850 bed hospital built in 2003  
- Scottish Parliament Building, built in 2004  
- Additional facilities for study visits will be presented in the Final Program in June 2007
Poster Presentations

P 01 Ray Pentecost (USA) Careful Facility Design is Integral to an Effective Falls Management Strategy
P 02 Martine Knoop (The Netherlands) Lighting in Health Care Design to Support the Well-being
P 03 Innocent Okpanum (UK) Hospital Planning: The Role of Planning Guidelines and Norms
P 04 Dianne Belfour-Barnett (Canada) A New Cancer Centre in Ontario
P 05 Ahmed Radwan (Sweden) Proposal for the International Competition of New Karolinska Hospital
P 06 Alastair S Macdonald (UK) Developing Design Methods through user’s experiences
P 07 Angela E. Watson (USA) Gardens as Problem Solvers
P 08 Louis A. Meilink (USA) A Noted Psychiatric Teaching Hospital Reinvents Itself
P 09 Jack Thiadens (The Netherlands) Martini Health Design
P 10 Elizabeth C. Brawley (USA) Light: The Untapped Resource for Older Adults
P 11 Francesca Giofrè (Italy) An Innovative Healthcare Structure: the House of Health
P 12 Anna Maria Giovenale (Italy) A Case-study: The Rationalization of the Healthcare Network
P 13 Luca Finocchiaro (Italy) Light as a Dialogue Between Architecture and the Sky
P 14 Ain Allas (Canada) Rethinking the Therapeutic Environment – Ottawa Mental Health Centre
P 15 Jun Lu (UK) Ergonomic Contribution to Hospital Architecture
P 16 Jeffrey Cohen (Australia) Cultural Responses to Health Care Design
P 17 Klavs Hjort Nielsen (Denmark) University Hospital / National Hospital in Reykjavik, Iceland
P 18 Lakshmi Murthy (India) Visual Grammar of Rural Communities as Communication Tools for Health
P 19 Linda Jones (New Zealand) Blues and Greens: Environmental Perception and Well-Being
P 20 Margaret Muir (Australia) The Renewal of Facilities Accreditation Essential for Government
P 21 Melinda La Garce (USA) Environmental Lighting Effects on Alzheimer’s and ADHD Behaviors
P 22 Mic Johnson (USA) Yonsei University Medical Center’s New Severance Hospital: an Urban Oasis
P 23 Noemi Bittman (Israel) Designing E-Health for the Elderly: Improving our tomorrow
P 24 Eylon Ofek (Israel) Design Concept for Cordless Operating Room
P 25 Monika Schill-Fendl (Germany) Laboratory Design as Basis for Health
P 26 Penny Curtis (UK) Designing for children? Children’s Experiences of Hospital Spaces
P 27 Phillip G. Mead (USA) Therapeutic Assessment of Light and Air Levels in Strategic Building Locations
P 28 Robin Guenther (USA) Sustainable Architecture for Health
P 29 Sophie Eastwood (UK) Design Informs Health and Health Informs Design
P 30 Susan B. Wesley (USA) Acoustic Considerations Using Music Interventions is Healthcare Settings
P 31 Susanne Siepl-Coates (USA) Reducing Obesity Through Community Redevelopment
P 32 Susanne Wied (Germany) Which Colours are Best? - Integration of Goethe’s Theory of Colours
P 33 Ricardo Codinhoto (UK) Investigations on How the Built Environment Affects Health Outcomes
P 34 Yuval Geni (Israel) A Contemporary Approach to Pediatric Architecture
Design & Health Academy Awards

The International Academy for Design & Health will be hosting an Academy Award Ceremony during the 5th World Congress on Design & Health in Glasgow, Scotland, from June 27th to July 1st, 2007. By instituting the Academy Awards, the Congress intends to encourage and acknowledge professional excellence across a wide spectrum. The Academy Awards will be prestigious in the field and have a significant influence on the development in designing health supportive environments. The selection process will culminate in a celebratory awards dinner during the World Congress in Glasgow. As the Academy Awards become a biennial event, candidates will be selected by a group of independent experts from Europe, Asia, Australia and North America. Final awards will reflect important aspects of the exceptional work taking place around the world. Recipients will be individuals or teams who, through unique and outstanding efforts, have contributed to the progress of knowledge and offered exemplary initiatives within this specialized field. Four separate award categories have been selected and will be presented during the closing dinner of the World Congress in 2007.

1. Design & Health - Architect Academy Award
   The Architect Academy Award honors a successful architect or interior designer whose completed work demonstrates talent, creativity and originality and has thereby made a significant contribution to health and humanity through the medium of architecture and design.

2. Design & Health - Health Facility Manager Academy Award
   The Health Facility Manager Academy Award is given to an individual who has embraced the significance of design in the built environment by creating a health-supportive organizational culture through visionary leadership and solid commitment.

3. Design & Health - Research Academy Award
   The Research Academy Award is intended to provide special recognition of a researcher(s) whose study is thought to have exceptionally high potential for future realization and application in the field of promoting health through the built environment.

4. Design & Health – Healthcare Design Project Academy Award
   The Healthcare Design Project Academy Award recognizes distinction in a completed health care design project of excellence attained through creating an innovative concept to promote health and wellbeing in the built environment.

The International Academy for Design & Health jury consists of five selected members with international prominence. Strict criteria for the evaluation process will be imposed for each of the four Academy Award categories. In judging projects, the overall quality of submissions are considered and includes the following criteria:
- Meeting originally stated project intentions;
- Enhancing health-supportive environmental performance;
- Contributing to the advancement of knowledge concerning health supportive design

Architects, designers, researchers and health facility managers may submit projects fully completed after January 1, 2007. Other professionals may submit projects on their behalf. Each entry must include well-documented material meeting the stated criteria. There is a fee of 100 Euro per entry.

The deadline for Design & Health Academy Award entries is January 30th, 2007, at which time entry forms and fees are due. The judging process in each category begins shortly after the closing date for submissions. Qualifying proposals are evaluated by jury members in accordance with the award’s conditions of entry. Selected projects of excellence are then recommended for awards.

For further information, contact Alan Dilani or Agneta Morelli at +46 8 689 9355 or e-mail to info@designandhealth.com. The list of award recipients will be posted online at the Design & Health website on July 15th, 2007. Winning projects will be featured in the book of Congress proceedings and published in the journal of the International Hospital Federation.
Paul Robertson, Professor
Paul Robertson, founder leader of the Medici String Quartet for nearly 35 years, is Artistic Director of the Music Mind Spirit Trust and an eminent international lecturer, performer and broadcaster. For many years he has played a leading role in changing and shaping people’s thinking about the power of creativity through the Arts and Sciences. A distinguished violinist, Paul is also a popular communicator to a wide audience via the BBC and Independent Radio and Television audiences, a sought after speaker for prestigious concerts and business and medical conferences including: the Royal Institution, Royal Society of Medicine, World Economic Forum, European Cultural Parliament, Copenhagen Business School (where he is a visiting Professor), and advisor to numerous arts and corporate organizations.

Alan Dilani, Ph.D.
Dr. Dilani is the founder and director of International Academy for Design&Health (IADH) www.designandhealth.com. He has been engaged worldwide in several universities in the field of Design and Health developing “Psychosocially Supportive Design Program”, both in Medical and Design Institutions. He holds a Ph.D. in Health Facility Design from the Royal Institute of Technology, Stockholm and a Masters of Architecture in Environmental Design from the Polytechnic of Turin, Italy. His research at the Karolinska Institutet, Medical University, based on a multidisciplinary approach, leads to the new definition of design that not only foster functional efficiency, but also improve health processes. He is the author for numerous articles and books in the field of Design and Health including: “Design and Care in Hospital Planning” and editor of the book “Design and Health -The Therapeutic Benefits of Design”. Professor Dilani is the Head of Research center for Design and Health in Stockholm.

Jacqueline C. Vischer, Ph.D.
Dr. Vischer is professor of Design at the University of Montreal. The Department’s program focuses on the use of social research and user needs analysis in creating liveable places. Dr. Vischer, a psychologist, received her Ph.D. in Architecture, from the University of California, Berkeley. She is also President of Building-in-use, an environmental design consulting group with offices in Montreal and Boston. Building-in-use facilitates staff and organizational change while helping to create offices of the future for major public and private clients. She has published on this topic in numerous journals including the Harvard Business Review and MIT’s Sloan Management Review. Her books include “Environmental Quality in Offices” and “Workspace Strategies: Environment as a Tool for Work”. She has recently published a new book “Space Meets Status - Designing Workplace Performance”.

Romano Del Nord, Professor
Prof. Romano Del Nord is Deputy Rector for the University of Florence, Italy and Professor at the Faculty of Architecture. He is chairman of the Scientific Committee of the 3th World Congress on Design and Health. He serves as Director for The Interuniversity Research Center (TESIS), a research and teaching program of healthcare facilities. The center has conducted research on “wayfinding humanization, space pathologies”, and the impact of new technology on the planning of healthcare facilities. He is also engaged as a consultant for the Ministry of Public Health developing regulations and guidelines for hospital design. He serves as an “expert” for the Ministry of Public Works and for the Ministry of Education. He owns the architecture firm “GSPE Architects” in Florence, designing various type of healthcare facilities.

John Zeisel, Ph.D.
Dr. Zeisel is President of Hearthstone Alzheimer Care, a healthcare provider with headquarters in Lexington, Massachusetts that manages assisted living treatment residences for people with Alzheimer’s diseases and related dementias. Hearthstone expressly uses design as one of the treatments for these debilitating diseases. Dr. Zeisel received the 1998 EDRA/Places research award for examining the effect of the physical environment on health and well-being of people with Alzheimer disease. The same year he was honored with the Environmental Design Research Association’s Career Award for his long-term contributions to design research. Dr. Zeisel received his Ph.D. in sociology from Columbia University and held a Loeb Fellowship from Harvard University’s Graduate School of Design. He is author of “Inquiry by Design”, a standard reference in many architecture, design and social science courses. Dr. Zeisel is chair of the International Academy of Design & Health advisory board.

David Stark, RIBA, ARIAS, BSC (Hons), B.Arch.
David Stark is Managing Director of Keppie Design, an architectural practice founded in 1854. It has been designing hospital buildings since before the British National Health Service started. The current massive reconstruction of the health estate in the UK has introduced a number of new initiatives in which the practice has gained expertise – Public Private Partnerships, Local Investment Finance Trusts and ProCure 21. David has been at the forefront of developing these procurement initiatives. As well as advising public and private sector clients on major projects in Edinburgh (the Royal Infirmary and the Western General), Leeds, Blackburn, Wakefield, Pontefract, Birmingham, and Glasgow (ambulatory care centres). Mr. Stark has been working in conjunction with the Prince’s Foundation, the Centre for Health Architectural Design (CHAD) and the University of Sheffield in highlighting the qualitative aspects of new projects, and testing design evaluation tools.

Mohinder S. Datta, AIA, ACHA
Mohinder Datta’s 40 years of award winning design innovation for in-patients in tertiary care hospitals. Mohinder Datta’s work has included Academic Medical Centers, Community Hospitals, the Department of Defense, Investor Developed Facilities, Small Rural Hospitals and Major Health Systems. His experience stretches across the United States to Asia and South Asia, giving him an international perspective. He has participated in the planning of over 25 million square feet of facilities. A few of the “industry firsts” include: Design of the first award-winning ambulatory care center; developing a modular concept for ambulatory care; design of prefabricated systems for reduced obsolescence in patient nursing units; evolving a new generation of Children’s Hospitals. International Academy for Design and Health (IADH)
Inso is a prime contractor operating in building projects and technology supply mainly for the healthcare sector.

The Company is active in public tenders and big hospital works under a project financing scheme (PPP Public Private Partnership), thus offering the market not only the design and construction of the hospital, but also the supply of medical equipment, ICT solutions and management of maintenance and ancillary services.

Inso operates in Italy and abroad with a well-established presence in Greece, Malta and Syria, while still keeping a strong bent for Eastern Europe, Middle East and Latin America.

**MAIN REFERENCES:**
- Vallecamonica General Hospital, Brescia, Italy
- Oglio Po General Hospital, Mantova, Italy
- G.B. Grassi General Hospital, Ostia Lido, Rome, Italy
- Sandro Pertini General Hospital, Pietralata, Rome, Italy
- Fist Aid Centre in Chong Bing, China
- Fist Aid Centre in Beijing, China
- Medina General Hospital, Mogadiscio, Somalia
- Enrico Mattei Outpatient Department, Lenninakan, Armenia
- Mother and Child Hospital, Erevan, Armenia
- Spallanzani Hospital for infectious diseases, Rome, Italy
- Oncology Centre in Lubiana, Slovenia
- Val di Cecina General Hospital, Leghorn, Italy
- Attikon Teaching Hospital, Athens, Greece
- Gazprom Elderly Centre, Sochi, Russia
- Emanuele General Hospital, Pisa, Italy
- S. Gerardo dei Tintoi General Hospital, Monza, Milan, Italy
- Milano, Dolo and Noale Hospitals, Venice, Italy
- S. Maria della Pietà Hospital, Camerino, Macerata, Italy
- S. Giuseppe Hospital, Empoli, Florence, Italy
- Mater Dei Hospital, Malta
- General Hospital of Kavala, Greece
- General Hospital of Zakynthos, Greece
- CSSD for 15 Hospitals in Syria
- Medical Furniture for 5 Hospitals in Morocco
- Livorno General Hospital, Leghorn, Italy
- Hospital of Alexandria, Egypt
- Maggiore Hospital, Parma, Italy
- Sotiria General Hospital, Athens, Greece
- S. Giuseppe Hospital, Empoli, Florence, Italy
- Mater Dei Hospital, Malta
- General Hospital of Kavala, Greece
- General Hospital of Zakynthos, Greece
- CSSD for 15 Hospitals in Syria
- Medical Furniture for 5 Hospitals in Morocco

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30-year experience devoted to health care facilities

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**Turn-key supply of medical equipment for the “Mater Dei” Hospital, Malta**

**Turn-key supply of medical equipment for the Hospital of Alexandropolis, Greece**
We also think that color of work environments affect people's health & well-being...

**Jeanette Paul, BArch (Hons) RIBA, ARIAS**

Jeanette Paul is Head of the School of Design at the University of Dundee, Scotland. She is a registered architect who practised in Scotland for several years prior to her appointment in lecturing and research. Her research has focussed on the workplace environment in the UK and its effect on users and she has published collaboratively on this subject. The School of Design in Dundee has a research focus on healthcare design and Jeanette Paul’s current research is a collaborative project with the School of Nursing and Midwifery, funded by NHS Estates in the UK. Her particular interest in this field is the effect of the workplace environment on staff wellbeing.

**Peter Scher, B.A. RIBA**


**Derek Parker, FAIA, RIBA, FACHA**

Mr. Parker is on the Board of Directors at Anshen+Allen Architects (www.anshen.com), with offices in San Francisco, Seattle and Boston; and Chairman of Anshen Dyer of London. An internationally recognized expert in the design of healthcare and research facilities, Parker has designed and planned over 50 major hospitals, diagnostic care centers, hospices and medical research institutes in his 45 years with the firm. A registered architect in the United Kingdom and in many States in the U.S., Mr. Parker is designing projects in the U.S., Canada, Australia, China, Japan, The Philippines, England, Italy and Turkey. He has speaking engagements worldwide. He has been a Trustee of the California College of Arts and Crafts; and he serves in other school of Architecture as advisory faculty for doctoral programs. In 1994, he joined the Miami office of the Leo A Daly Company, an internationally recognized design service firm, as Director of Healthcare

**Kenneth N. Dickerman, ACHA, AIA, FHFI**

Mr. Dickerman has thirty years of experience in the planning and design of facilities for healthcare. After graduating from the Georgia Institute of Technology in 1968, he served as a construction project officer in the US Air Force before starting his career in the civilian professional sector. His projects since then include over 150 commissions in seventeen states spanning the spectrum of facility types and ownership groups. He is the author of two major works on health facility programming and planning and has been a regular speaker on those subjects at national conferences and symposia. In 2004, he joined the Miami office of the Leo A Daly Company, an internationally recognized design service firm, as Director of Healthcare

**John Wells - Thorpe, OBE, RIBA**

John Wells-Thorpe was Honorary Librarian and Vice President of the Royal Institute of British Architects before becoming President of the Commonwealth Association of Architects. He was in private practice until becoming the first chairman of South Downs Health NHS Trust, UK, and subsequently initiated and chaired a 3 year research programme for NHS Estates to examine ‘The Architectural Healthcare Environment and its Effects on Patient Health Outcomes’. He is a member of the NHS Design Review Panel and advises the Commission for Architecture and Built Environment. He chaired Government independent Inquiries into a) ophthalmic surgery and b) adolescent homicide.

**Per-Gunnar Svensson, Ph.D.**

Professor Per-Gunnar Svensson, Ph.D., was appointed Director General of the International Hospital Federation (IHF) in 1998. Between 1988 and 1998 he was Director of the Centre for Public Health Research, at the University of Karlstad in Sweden, during which time he also founded and acted as Editor-in-Chief of the publication entitled European Journal of Public Health. For a period of six years, 1983-1989, he was a Health Research Scientist at the Regional Office for Europe (Copenhagen, Denmark) of the World Health Organisation. His initial position from 1969 to 1983 was that of Senior Lecturer in Social Sciences at the University of Linköping (Sweden), where in 1984 he was also appointed Professor of Health Services Research. He also since 1996 to date holds the post of Professor of Public Health at the Nordic School of Public Health. For a period of six years, 1983-1989, he was a Health Research Scientist at the Regional Office for Europe (Copenhagen, Denmark) of the World Health Organisation. His initial position from 1969 to 1983 was that of Senior Lecturer in Social Sciences at the University of Linköping (Sweden), where in 1984 he was also appointed Professor of Health Services Research. He also since 1996 to date holds the post of Professor of Public Health at the Nordic School of Public Health. For a period of six years, 1983-1989, he was a Health Research Scientist at the Regional Office for Europe (Copenhagen, Denmark) of the World Health Organisation. His initial position from 1969 to 1983 was that of Senior Lecturer in Social Sciences at the University of Linköping (Sweden), where in 1984 he was also appointed Professor of Health Services Research. He also since 1996 to date holds the post of Professor of Public Health at the Nordic School of Public Health.

**Aki Linden, M.Sc.**

Alexander (Aki) Lindén is the Chief Executive Officer of The Turku University Hospital in Finland. The population of the hospital district is 700,000 inhabitants. The hospital was founded 250 years ago. A new ultra-modern unit was opened in 2003 and, at present, an enlargement of it is under planning. Aki Lindén is Licentiate in Medicine and Master of Social Sciences. Since the year 2001, has served as the CEO of the Turku University Hospital. Before that he was Chief Medical Officer of the Provincial State Office, Director for Primary Health Care, Senior Lecturer at the Turku University Hospital, and doctor in practice. He is a Specialist in General Practice and Health Care. Under his leadership working with an interdisciplinary team, the Hospital of Turku will be transformed into the most modern hospital in Europe.
Diana Anderson, M.Arch.
Diana Anderson is currently a third year medical student at the University of Toronto. She earned both her undergraduate and graduate architectural degrees at McGill University in Montreal. For her master’s thesis in architecture, she was awarded a Graduate Fellowship in Health Facility Planning and Design by the American Institute of Architects and the American Hospital Association. Her hospital design proposal for the McGill University Health Center was presented at the AIA Academy of Architecture for Health 2004 conference. Diana Anderson was also awarded a McGill traveling scholarship on completion of her master’s degree, allowing her to visit and study a number of North American hospitals. Over the past year, she has researched evidence-based design in the field of palliative care.

Paul Barach, MD, MPH, Maj.(ret.)
Paul Barach is a practicing board-certified anesthesiologist and epidemiologist, trained at the Massachusetts General Hospital and Harvard Medical School. He is Director of Strategic Planning for Patient Safety, Associate Professor Department of Anesthesiology, and Associate Dean for Patient Safety and Quality Improvement at the University of Miami. He is a board member of the National Board of Medical Examiners, and the American Institute of Architecture Coalition for Health Environments Research. He has authored over 120 articles, book chapters and other reports. He is a member of the Malcolm Baldrige National Quality Examiners Program, and has chaired and co-chaired several national and international meetings on patient safety and health care design. He was editor of the journal *Quality and Safety in Healthcare* from 2001-2004, and has written for the US Institute of Medicine on patient safety, reporting systems and patient safety design.

Ruzica Brozovic Stamenovic, Ph.D.
Dr Bozovic Stamenovic is Assistant Professor of Design at the Department of Architecture, National University of Singapore. Theory of health and space is in the core of her teaching and research interests. She focuses her current research on investigating their interconnectivity, foreseen changes and new paradigms in this field of research. She published two books and a number of research papers promoting the idea of healing spaces. As a practising architect, she won major Yugoslav architectural prizes and over fifteen national and international competition awards. She participated in over thirty exhibitions including the prestigious “The Biennale of Venice.” Italy (1985, 2002).

Joe Lewit, Director
Joe is a Fellow of the Royal Australian Institute of Architects, and a member of the International Hospital Federation. He is a project director for the PPP Royal Women’s Hospital, a new $250 million specialist women’s and neo-natal health service with its own strong sense of identity, yet integrating with infrastructure and support services from the Royal Melbourne Hospital. The Royal Women’s Health Partnership led by Billfinger Berger engaged DWI Architects (DesignInc Melbourne and Woodhead International) to design this project. Joe led the Woodhead team through the bid phase and has been jointly leading the architectural team in its delivery.

John Williams, Director
John is a Director of DesignInc and was instrumental in the design of the PPP Royal Women’s Hospital project ($250m) that employs the latest standards and innovation in the design of health care facilities. John has 30 years experience in highly technical facilities, including world class bioscience laboratories. He is experienced in urban design and masterplanning, is a member of the Royal Australian Institute of Architects and the Australian Institute of Project Managers. John is committed to the provision of sustainable design solutions in line with DesignInc’s ESD philosophy, which has been applied successfully to this Hospital.

Karen Taylor, B.Sc.
Karen initially trained and worked as a medical physics technician within a Radiotherapy and Oncology Department before moving into pharmaceuticals sales. Building on her clinical experiences, she returned to Loughborough University to retrain as an ergonomist. Karen is currently working with Dr Sue Hignett as part of the Healthcare Ergonomics and Patient Safety Research Unit. Her specific interest lies in the functionality of healthcare bed spaces from the patient perspective. Karen Taylor is working towards a PhD with the aim of developing an evidence based patient priority-list for healthcare bed space, enabling designers to critically appraise their design solutions.

Alastair Macdonald, Senior Researcher
Alastair Macdonald is Senior Researcher in the School of Design at The Glasgow School of Art. His specialist areas of funded research are in the fields of inclusive (universal) design, design for aging populations, and design for health. Recent funded research projects the EPSRC’s EQUAL (Extending QUALity of Life) initiative (developing a computer-based tool with bio-engineers to provide biomechanical data on older people for designers), the AHRB/EPSRC’s Designing for the 21st Century initiative (working with clinicians and healthcare specialists on redefining healthcare pathways), the Japan Foundation (surveying inclusive design methods within Japanese industries), and the Sasakawa Foundations (inclusive methods in healthcare applications).
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Irene McAra-McWilliam, Professor
Professor Irene McAra-McWilliam is Head of the School of Design at the Glasgow School of Art. She was previously Head of the Interaction Design Department at The Royal College of Art in London and Professor of Design Research at the University of Technology in Eindhoven, The Netherlands. As Director of Design Research at Philips Electronics in the Netherlands, she created and coordinated the European Commission's research domain "Connected Community" and conceived and directed the award-winning project "Living Memory." She has been voted one of fifty top design leaders by the UK’s Design Week magazine. She is an expert in design for social innovation, creativity, new technology, and community.

Ihab Elzeyadi, Ph.D.
Dr. Elzeyadi is a professor of architecture at the School of Architecture and Allied Arts, University of Oregon, where he teaches courses and studios on sustainable design, high performance buildings, and health care settings. He is a principal Architect with over 20 years of experience as a designer and consultant for health care architecture, commercial building design, and programming. He is a member of the Center for Housing Innovations and a principal investigator of numerous grant-supported research on the relationship between people and buildings including health and environmental quality in offices, lighting and daylighting guidelines for hospitals, and health care settings. He is a recipient of many awards and fellowships including a Ford Foundation Award and an award from the Association of Pacific Rim Universities.

Ian M. Sinclair, M.H.A., C.H.E.
Ian Sinclair, Principal, Capital Planning and Strategic Services at Farrow Partnership Architects Inc. of Toronto, Canada, applies two decades of experience in hospital operations, capital planning and project implementation to help clients think through their unique situations in order to gain new insights and to uncover fresh opportunities. He specializes in helping organizations align their organizational cultures with an appropriate design philosophy. Mr. Sinclair was VP of Planning for the $275 million redevelopment of Canada’s largest hospital for Complex Care and Rehabilitation patients and prior to that, was the VP responsible for a $350 million capital expansion of The Credit Valley Hospital in Mississauga Ontario. In addition, Ian was the CEO of 4 rural hospitals in Manitoba, Canada.

Rotraut Walden, Ph.D.
Dr. Rotraut Walden’s major fields of research are Architectural Psychology as well as Work and Organizational Psychology. She works for the Institute for Psychology at the University in Koblenz, Germany where she holds a tenured position, and has been a member of the Environmental Design Research Association (EDRA) since 1989. Her research focuses on Building Performance Evaluation, the development of questionnaires and systems to judge hospitals, schools, office buildings, and universities. Her methods require Post-Occupancy Evaluation and User Needs Analysis. She is the author of the books “Lively Dwelling: Development of Psychological Guidelines for Housing Quality” as well as “Happiness and Unhappiness. Experiences of Happiness and Unhappiness from the Interactionistic Perspective” and the co-author of “Psychology and the Built Environment”, “Places for Children” and “Schools of the Future”.

Ed Jakmahu, FAIA, ACHA, LEED AP
Mr. Jakmahu is responsible for the oversight of all Ballinger’s health facilities programming, planning and design work. He has completed a number of significant large projects which have acted as catalysts for urban rejuvenation. Ed earned his Bachelor of Architecture and Bachelor of Science in Building degrees from Rensselaer Polytechnic Institute and his Master of Architecture in Urban Design degree from the Harvard University Graduate School of Design. He was a Fulbright Research Fellow in Regional Planning at the London University, London School of Economics. Ed is a Fellow of The American Institute of Architects, a member of American College of Healthcare Architects, and a member of the Academy of Architecture for Health Editorial Board. He is board certified in healthcare planning by the American College of Healthcare Architects and is a LEED accredited professional.

Ian Forbes, Professor
Ian Forbes is a practicing architect and Regional Principal in the Sydney office of Woodhead International, one of Australia’s largest architectural and planning practices. He is also an Adjunct Professor at the University of Technology, Sydney, in the Faculty of Design, Architecture and Building. He is the National Director of Woodhead’s Health Portfolio covering 14 offices in Australia and the Region. This work ranges from major tertiary acute hospitals to smaller rural health facilities and residential aged care homes. He has been planning and developing health facilities for 30 years in Australia, Canada, Africa, Asia and various Pacific Countries and is a regular consultant to the World Health Organisation, Asian Development Bank, and AusAID. His current interests involve advancing the concepts of healthy built environments within health facilities.

Lynne Wilson-Orr, Arch
Lynne Wilson-Orr is an architect and interior designer who has specialized in healthcare design and planning for over twenty years. The projects that she has worked on include everything from small rural hospitals to large urban, teaching hospitals and brand new greenfield sites to hospitals to renovations of late 19th century structures. Lynne Wilson-Orr has been responsible for the design and planning of many level 2 and level 3 neonatal intensive care units, maternal/newborn units, paediatric units and maternal/child out-patient facilities. Some of her recently completed projects include the Level 2 Maternal/Newborn facility at Toronto East General Hospital and the Level 3 NICU at the Hamilton health Sciences McMaster University Medical Centre. Lynne Wilson-Orr is committed to family-centred care and was one of the contributors to the Health Canada Family-Centred Maternity and Newborn Care National Guidelines. She has worked on the new NICU/PICU for the Children’s Hospital of Eastern Ontario in Ottawa, Sunnybrook Health Sciences Centre, Level II & III nurseries and Level III NICU at Rainbow Babies and Children’s Hospital.
Mahbub Rashid, Ph.D., AIA
Mahbub Rashid is an Associate Professor of Design at the Schools of Fine Arts, and Architecture & Urban Design of the University of Kansas. A registered architect and a member of the American Institute of Architects, he holds a doctorate from the Georgia Institute of Technology and a master’s from the Massachusetts Institute of Technology. Before taking his current position, Mahbub worked as an architectural research scientist at the Georgia Tech PhD Program of Architecture. For the last several years, Mahbub’s work has focused on workplaces and healthcare facilities. He uses rigorous spatial, behavioral, and social network analysis techniques to understand the relationships among space, behavior, perception and culture at these settings.

Shauna Corry, Ph.D.
Shauna Corry is an Assistant Professor in the Department of Architecture and Interior Design at the University of Idaho. Her research focus is social stratification and discrimination in the built environment focusing on universal design and accessibility issues. Dr. Corry wrote the chapter Post-Occupancy Evaluation from a Universal Design Perspective for the seminal Universal Design Handbook published by McGraw-Hill and edited by Preiser and Ostroff.

Patricia McKeever, Professor
Patricia McKeever is Co-Director of the CIHR Strategic Training Program in Health Care, Technology, and Place (HCTP), University of Toronto. She is a Health Sociologist and Professor in the Faculty of Nursing, Co-Director of HCERC, and the recipient of an OCUFCA award for outstanding graduate teaching. She has supervised numerous graduate students from a wide range of disciplines. She co-created the "Academic Boundary Crossing" health research seminar series at the University of Toronto, co-developed SSHRC’s recent “Society, Culture, and the Health of Canadians” research theme, and chaired its second Grants Review Committee. Her research focuses on the social, philosophical and policy aspects of childhood disability/chronic illness. She has studied children’s use of a range of technologies, their care providers and the places where they receive health care.

Michael Moxam, B.E.S., M.Arch., OAA, MRAIC, Assoc. AIA
Mr. Moxam is Design Principal of Dunlop Architects Inc., an innovative Toronto-based design firm specializing in the design of acute care facilities. With over 19 years experience in the design and planning of complex project types, Mr. Moxam maintains a strong commitment to design excellence and to redefining the "type" in acute care design. His recent design work in acute care has focused on the creation of fully integrated community facilities and the creation of staff and patient-centred environments. Mr. Moxam is the Design Principal for the new 529 bed Peterborough Regional Health Centre in Peterborough, Ontario, the redevelopment of the University Health Network's Toronto Western Hospital and the redevelopment of the Chatham-Kent Health Alliance in Chatham, Ontario.

Nadia Tobia, M.Sc. Arch
Nadia Tobia is a senior associate with Perkins Eastman Black Architects, Toronto. Prior to joining the firm she was a partner with the AC Group in Baghdad along with the Japanese Consortium of Consulting Firms. She has worked on various architectural, urban planning, tourism, and health care projects. Earlier works included large international tourism master plans and feasibility studies with the French firm Tourism et Hotellerie. Nadia has been able to enhance and combine her work in the health care field with her architectural experience in the hospitality sector. Her professional participation included teaching urban design at the University of Technology, Baghdad. She has extensive international experience and has worked in Canada, USA, Ireland and Iraq. Nadia received her B.Sc.Arch from the University of Baghdad, Iraq and her M.Sc.Arch from the University College Dublin, Ireland.

Elliot Paul Rothman, AIA
Elliot Paul Rothman is a Director of Anshen+, Allen+Rothman in Boston, resulting from the merger of Rothman Partners Architects with Anshen+Allen of San Francisco. He served as Associate Professor of Architecture at the Harvard Graduate School of Design from 1967 to 1969. With degrees in architecture, city planning and urban design, Elliot’s career has focused on urban teaching medical centers and research laboratories. His international healthcare projects include a new teaching hospital for Universidad Panamericana, Mexico City and the Asian Eye Institute in Manila. Within the United States, he was Project Director at Rothman Partners for the Behrakis Health Sciences Complex, providing teaching space, an academic building for students in the allied health sciences and teaching laboratories for the Northeastern University. Elliot is author of Painting on Site, a book of the watercolors he painted while on site in sixteen countries. He is a Trustee of the Boston Chamber Music Society.

Agneta Morelli, M.Sc.
Agneta Morelli is a project manager and researcher at the International Academy for Design & Health in Stockholm, Sweden. Her academic background covers the fields of health promotion, psychiatric nursing and environmental psychology. Prior to her commitment to the field of design and health, she was devoted to her private practice as an art- and family therapist in Vancouver, Canada. Her current focus concerns the development of knowledge in the field of restorative and psychosocially supportive environments.
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Registration Fee

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<th>Service</th>
<th>Price/person Paid before 15 April</th>
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<tr>
<td>Participants</td>
<td>600 €</td>
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<tr>
<td>Student *</td>
<td>400 €</td>
<td>500 €</td>
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<tr>
<td>Accompanying person **</td>
<td>200 €</td>
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<tr>
<td>Exhibition</td>
<td>4 500 € per booth 3x3 m</td>
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<tr>
<td>Architectural Study Tour in Glasgow</td>
<td>50 €</td>
<td>50 €</td>
</tr>
<tr>
<td>Welcome and closing Banquets, 2 dinners</td>
<td>100 €</td>
<td>100 €</td>
</tr>
</tbody>
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* Please enclose a photocopy of your student identification card
** Accompanying person for social program incl. dinners

Accommodations

Arrival in Glasgow June ..................  Departure from Glasgow ...................

<table>
<thead>
<tr>
<th>Congress Hotel</th>
<th>Single room</th>
<th>Double room</th>
<th>Deposit</th>
<th># of rooms</th>
</tr>
</thead>
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<tr>
<td>Hilton *****</td>
<td>189 €</td>
<td>207 €</td>
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<tr>
<td>Marriott ****</td>
<td>149 €</td>
<td>162 €</td>
<td>150 €</td>
<td>150 €</td>
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<tr>
<td>Bewleys ***</td>
<td>99 €</td>
<td>99 €</td>
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Registration fees cover
3 lunches, 6 coffee breaks,
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The International Academy for Design & Health is pleased to invite you to participate in the World Congress and Exhibition on Design & Health, a unique opportunity to show your new products and networking with key decision makers, designers, planners, and researchers in the field of health facility design. We are looking for all product categories within health facility design, including architectural design, interior design, art, and nursing products that could benefit health quality and stress-reduction. Applications will be accepted on a first-come, first-served basis. The exhibition company will have access to all the social programs in order to join other professional colleagues, providing you access to new contacts and opportunities.

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For social and cultural activities during your stay in Glasgow please visit the Glasgow Tourist Board. Website: www.seeglasgow.com

About the Academy
The International Academy for Design & Health is a non-profit organization with an inter-disciplinary network dedicated to stimulate research and its application concerning interactions between Design, Health and Culture. The organization was founded by scientists at the Karolinska Institute in Stockholm in 1997 aiming to provide a highly visible international forum for promoting an ongoing international exchange of research findings among scientists, designers, and industry. All research activities are based on the assumption that human health is significantly related to the designed environment. The International Academy unites the disciplines of architecture, design, psychology, health sciences and economics. Our mission is to spread the awareness of health promotion through well designed environments. We provide exchange opportunities for researchers and practitioners around the globe.

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Order your copy of this book containing a unique selection of papers based on presentations during the 4th World Congress on Design & Health (WCDH2005), organized by the International Academy for Design and Health. All papers published in the book are of scientific importance and demonstrate the results of evidence based design. Many of the papers presented in this book are case studies which strongly support the link between design and health. Good design is an essential component of healthcare; it forms the context and environments by which healthcare activities affect healing processes. Furthermore, the design and quality of health care has great impact on staff health and wellbeing.

Topics presented in this book include research on hospital performance, healthy workplace design and patient perception of healthcare environments, design for elderly, the presentation of major new hospital designs of the world, the effects of art, music and garden on healthcare outcomes and finally, presentations of several PFI-Build projects in The United Kingdom along with the impact of Public-Private Partnership on healthcare design in the UK.

Design & Health III
Health Promotion through Environmental Design
ISBN 91-7349-988-9

This book is the result of the 3rd World Congress on Design and Health, organized by the International Academy for Design and Health in Montreal, in June 2003. It presents the latest research findings and knowledge in the field of healthcare design. The book includes 29 articles from research scientists, designers and health professionals from all over the world. The book was published by the Academy in August 2004, containing 325 pages with all illustrations in color.

Content
- Introduction to Design and Health
- The new McGill Hospital in Montreal
- Evaluation and Design of Work Environment
- The Parameters of Health and its Promotion
- Environmental Impacts on Stress
- Health Promotion through Environmental Design
- Environmental Quality Effects on Health
- Stress Reducing Environment, Impacts on Sick Children
- Environmental Evaluation Methods
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