

Martijn Schildkamp, Msc in Architecture

Architect, Senior Lecturer, Course Leader, Researcher

Male, born February 11, 1973 in Alphen aan den Rijn, The Netherlands

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Education

Technical University Delft

Diploma: Masters Degree in Architecture, 1999

Graduation disciplines: Architecture, Building Technology, Interior Design

Polytechnics The Hague

Diploma: Bachelor's Degree in Architectural Engineering, 1995

Achievements

Founder and Director of Smart Shelter Research

Smart Shelter Research is an online open source knowledge point. With an international network of experts we seek reliable knowledge, conclusive answers and improved solutions, in the fields of Architecture, Building Science, Engineering and Design.

From January 2014 - ongoing

Founder and Director of Smart Shelter Consultancy

Smart Shelter Consultancy offers a wide variety of lectures, design assignments and hands-on experiments with a clear social value, and transfers its knowledge to students and professionals worldwide.

From December 2009 - ongoing

Founder and Chairman of Smart Shelter Foundation

Smart Shelter Foundation is a non-profit organization, which builds in smart ways in developing countries, and transfers its knowledge of building technology to the local people.

From April 2005 - ongoing

Awards and Recommendations

June 2010: Finalist for Green Concrete Competition

Competition about improving the ecological performance of concrete in the Netherlands. The finalist entry 'Brown Concrete' promotes the use of stabilized earth blocks.

August 2009: Finalist for Index Award

Finalist for one of the most prestigious design awards in the world. The theme was 'Design to improve life', and nominated was the general philosophy of Smart Shelter Foundation.

May 2005: Finalist for Business in Development Challenge

Starting small-scale businesses in Mumbai and Bangalore, India. With locally found waste materials we designed building materials. From over 700 entries, we were in the top 5.

International Teaching Experience

Course Leader Architecture

Hanoi Architectural University, Vietnam

Responsible for creating, conducting and grading full-credit workshops titled 'Alternative Construction and Disaster Response' and 'The Art of Upcycling'.

February & October 2013, October 2014, October 2015 and ongoing

Senior Lecturer Architecture

Chosun University, Gwangju, South Korea

Design Studio for third year students: delivering lectures to groups of students and using advanced teaching techniques to inspire and motivate them for higher level qualifications.

From September 2012 – August 2013

Lecturer Elective Courses Architecture

University of Limerick, Ireland

Responsible for preparing learning material for courses, and conducting plus grading relevant design assignments and practical hands-on activities.

For 3 semesters, 2010 – 2012

Course Leader Workshops / Speaker at Conferences (selection)

Japan. Two day intensive research workshop and key note speech at the Department of Structural Engineering of Tohoku Gakuin University in Sendai, November 2015.

Greece. Key note speaker and workshop leader titled 'The Art of Upcycling' for 8 days at the ECOWEEK event in Thessaloniki, November 2015.

Italy. Three day intensive workshop titled 'Seismic Behavior of Non-Engineered Techniques' at the department of Structural Engineering, University of Bergamo, July 2015

USA and Canada. Online web-lectures for Auburn University, University of San Francisco, University at Buffalo NY and University of Manitoba, 2014 and 2015.

Macau. Two-week workshop titled 'Sustainable Building Design' at the faculty of Architecture of Saint Joseph University, October 2013 and December 2013.

Indonesia. Three-week workshop 'Sustainable Humanitarian Architecture' at Universitas Islam Indonesia in Yogyakarta, September 2013, ongoing.

Singapore. Three-day workshop for staff and students at Ngee Ann Polytechnic, about Sustainable Low-Tech Architecture in Asia, September 2012.

India. Five-day workshop 'Product Design and Mechanical Engineering for the Bottom of the Pyramid' at the Department of Design of IIT Kanpur, February 2012.

Spain. Four-day workshop 'Semi-Permanent Housing' at the University of Catalunya in Barcelona, for the Master Sustainable Emergency Architecture, December 2010.

Turkey. Three-day workshop 'Low-Tech Earthquake Resistant Construction' at the Faculty of Architecture, Uludağ Üniversitesi Bursa, November 2010.

Indonesia. Key note speaker at the International Conference on Green Design and Solution 2009, Department of Architecture at ITS in Surabaya.

Social Design & Building Projects in Asia

Smart Shelter Foundation

Kaski District, Nepal

Designing, preparation of estimates, execution and supervision of 15 earthquake resistant mountain schools, a regional Animal and Agricultural Centre, a hostel for blind students and a small clinic in Kaski District of Nepal. All buildings have survived the destructive 2015 Gorkha earthquake without a scratch!

From September 2007 – January 2012

Smart Shelter Foundation

Salem, Tamil Nadu

Research, design, preparation of estimates, execution, and supervision of a rural pre-school in the south of India. The school is designed and built with stabilized earth blocks.

September 2006 – May 2007

Smart Shelter Consultancy

Bukittinggi, West-Sumatra

Research, designs and estimates for two earthquake resistant school buildings with confined masonry in the Pariaman area, for CBF.

November 2009 – April 2010

CRWRC (Canadian Relief Organization)

Batticaloa, Sri Lanka

Responsible for the design and execution of 170 post-tsunami houses in Batticaloa District, East Sri Lanka. A total of 900 houses have been completed by CRWRC, using my designs.

August 2005 – May 2006

Employment Record in The Netherlands

Designer / Engineer

Architectencombinatie ABRW, The Hague

Refurbishment of the former Dutch Ministry Building for Education, Culture and Science, including complete design of the facades.

From January 2004 – July 2005

Designer / Engineer

DP6 Architectuurstudio, Delft

Design and drawings of a preliminary school in Ypenburg, The Hague.

From May 2003 – January 2004

Designer / Engineer

Vera Yanovshtchinsky Architecten, The Hague

Urban research and design of three refurbishing projects in The Hague

Calculation phase of a building with 141 apartments in Utrecht

Material research and development of new and innovative materials

From December 2000 – March 2003

Designer / Engineer

Ingenieurs / Architecten Associatie, Delft

Design of BEO-garden in Nootdorp, and SGLVG Hooge Burgh, both for disabled people

Drawings for a Faculty building in Delft, and for a school building in Gouda

From April 1999 - December 2000