

## CURRICULUM VITAE

### Shabnam Arbab

Address: Østre Moholt-tun 16 – 7048 Trondheim

Gender: Female

Nationality: Iranian

Date of birth: 02.05.1985

Cell Phone: +47 – 45679630

University e-mail: [shabnam.arbab@ntnu.no](mailto:shabnam.arbab@ntnu.no)

Private e-mail: [arbab.shabnam@gmail.com](mailto:arbab.shabnam@gmail.com)

#### Education

- Oct.2011 – Ongoing** PhD. Research fellowship at the faculty of Architecture and Fine Art, Department of Architectural Design, Form and Colour, with the topic of Colour in Architectural context Norwegian University of Science and Technology (NTNU) – Norway.
- Aug.2011 – Sep.2013** Master of Sci. in Sustainable Architecture, Norwegian University of Science and Technology (NTNU) – Norway. Overall GPA: B.
- M. Sc. Thesis** Atrium design in energy-efficient office building: Daylight quality and solar gains. The Thesis Supervisors: Professor Inger Andresen, Matthias Haase and Barbara Matusiak.
- Jan.2007 – Dec.2009** Bachelor of Art. in Architecture, Soore Institute of Advanced Education – Iran. Overall GPA: A (18.39/20).
- B. Sc. Thesis:** Designing of Children Creativity Center. The Thesis Supervisor: Dr. Afshar (Faculty member-Department of Architecture). Graded: A (19.75/20).
- Jan.2004 – Feb.2006** Associate Diploma program in Architecture, Faculty of Architecture, University of Applied Science and Technology – Iran. Overall GPA: A.

#### Working Experience and Internship

- July. 2012 – Aug. 2012** LinkArkitektue Company - Summer internship  
Responsibilities: Making Illustration of some of projects with respect to sustainable principles.
- Jun. 2012 – July. 2012** Norwegian university of Science and Technology (NTNU) - Student assistant at Smart cities.  
The work is related to the European SET-plan, analysing what kind of education is needed to create professionals who can work with smart cities, buildings and networks.
- May. 2012 – Jun. 2012** Norwegian university of Science and Technology (NTNU), Student assistant for Solar Decathlon Competition 2012.
- Jan. 2010 – Jun. 2011** Monenco Iran Consulting Engineer Company (as a leading Consulting Company in working within the fields including oil & gas, Power Generation, and telecommunications systems) – employed as an architectural expert. Under the supervision of Morteza Rabyeian.
- Mar 2008 – Jan. 2010** Tina Farayand Consulting Engineer Company (a private company) – architectural expert for Graphic design, architectural design, 2D & 3D

modelling, Residential interior design, Landscape and Exterior Design, creating technical documentation.

**Jun. 2007- Aug. 2007**

Jital Company (power cable trunkings, Busducts) - As a interior and exterior designer on a project.

**Jun. 2006- Aug. 2006**

MAPNA Group (leading Iranian industrial group in the area of construction and development of thermal power plants under EPC scheme, independent power plants (IPP), oil and gas) - trainee.

## **Publications**

- Arbab, S., Matusiak, B. S. Perception of colours illuminated by coloured light. In AIC 2015, *Proceedings of Colour and image*. Tokyo.
- Arbab, S. and Matusiak, B. S. The impact of light at the perception of colours in architecture, state of the art study and suggestions for further research. In AIC 2015, *Proceedings of Colour and image*. Tokyo.
- Matusiak, Barbara Szybinska; Arbab, Shabnam. (2014) Hvordan er opplevelsen av farger påvirket av lys?. *Farge i byen Colour in the city*.
- Arbab Shabnam, common mistakes in concrete structure building, 41th edition of Bana Magazine (This paper got the authorization of the Iranian Construction engineering organization)

## **Participations and Activities**

- Daylight and Colour demonstration at COLOUR IN THE CITY exhibition
- Participate in AIC 2014-Mexico
- December 2011 - Certificate of participation and recognition in Second international architecture workshop by Nader Tehrani (Principal, NADAAA, INC-Head, MIT Department Of Architecture)
- Design research With FAZAD Studio about Concept, Process and Diagram.
- May 2010 - Autodesk Revit Architecture certificate in Architecture Center-Iran.
- Interior design certificate from Cavendish collage.
- Crew in Technoport seminar 2012-Trondheim
- Participant in Technoport seminar 2012-Trondheim
- A member of ISFiT (International Student Festival In Trondheim) 2013

## **Area of Academic Interests**

- Lighting Design
- Light and Colour
- Interior and Exterior Design
- Research
- Technology Development
- Environmental Engineering
- Sustainable & Renewable Energies
- Landscape design
- Energy simulation
- BREEAM pre-assessment design
- 2D and 3D modelling
- Creating technical documents
- Draftsperson
- Elevation design

## **Qualifications and Skills**

### **Architectural software:**

- AutoCad 2D & 3D
- ArchiCad
- Google Sketch up
- 3D Max
- Revit

- Rhino (Beginner)

### Energy simulation tools:

- Ecotect
- Radiance
- Simien(Basic)
- PHPP
- Relux Lighting Design

### Others:

- Adobe tools
- Microsoft office
- Being familiar (and also worked) with the Plant Design Management System (PDMS)
- Sustainable & Renewable Energies

### Language:

- English: Fluent (speaking and writing)
- Persian: Native
- Norwegian: Beginner at the present. Very much eager and willing to learn. I have passed the first level of the Norwegian course (trinn 1). Now I'm studying for the second level. In addition, learning Norwegian is one of my daily plans, which I have put on my schedule, and it has been prioritized for me.
- Arabic: Beginner

### Memberships

- Light and Colour group
- NAL (Norske Arkitekters Landsforbund)
- IBPSA (the International Building Performance Simulation Association)
- Forum farge
- United Iranian Architects of Europe

### References

**1. Barbara Matusiak**, Professor, NTNU- Department of Architectural Design, Form and Colour Studies  
Alfred Getz vei 3, Sentralbygg 1, floor 4, NO-7491 Trondheim, Norway  
Mobile: (+47) 41809981  
Email: [barbara.matusiak@ntnu.no](mailto:barbara.matusiak@ntnu.no)

**2. Luca Finocchiaro**, Postdoc Fellowship, NTNU- Department of Architectural Design, History and Technology  
Alfred Getz vei 3, Sentralbygg 1, floor 7, NO-7491 Trondheim, Norway  
Mobile: (+47) 45013182  
Email: [luca.finocchiaro@ntnu.no](mailto:luca.finocchiaro@ntnu.no)

**3. Inger Andresen**, Chief Scientist, Professor II NTNU- SINTEF Building and Infrastructure, Department of Materials and Structures  
Alfred Getz vei 3, Sentralbygg 1, floor 9, NO-7491 Trondheim, Norway  
Mobile: (+47) 406 49 405  
Email: [Inger.Andresen@sintef.no](mailto:Inger.Andresen@sintef.no)

**4. Matthias Haase**, Associate Professor, NTNU- Department of Architectural Design, History and Technology  
Alfred Getz vei 3, Sentralbygg 1, floor 7, NO-7491 Trondheim, Norway  
Mobile: (+47) 92260501  
Email: [matthias.haase@ntnu.no](mailto:matthias.haase@ntnu.no)