The Design Parameters of Pleasurable Light Atmosphere in Wards

Stidsen, Lone; Kirkegaard, Poul Henning; Fisker, Anna Marie; Jensen, Rasmus Lund

Publication date:
2010

Document Version
Accepted author manuscript, peer reviewed version

The Design parameters of pleasurable light atmosphere in wards

You can still edit this proposal. However, once the proposal has been reviewed and if approved, any further changes can only be made by emailing the conference secretariat.

Edit Proposal

Mrs Lone Stidsen

Mr Poul Henning Kirkegaard

Mrs Anna Marie Fisker

Mr Rasmus Lund Jensen

Add an Author

Short Description: To achieve an attractive experience of wards we have to make consistency between expectations and experience of the space and incorporate daylight and dynamic light for a pleasurable light atmosphere.
Long Description: When constructing and designing hospitals of the future patients, staff and guests are in focus. Designing a healing hospital environment is a very important factor when planning new hospitals. How can the aspects such as design, architecture, arts, lights, sounds and materials support and improve the patients recovery and the satisfaction of staff and guests?

The physical settings, the furnishing, the acoustics, the light – daylight and artificial is essential when we evaluate the environmental quality. The light is crucial for the experience of safety, mystery, well-being and relaxed in a physical and psychological way.

Because of the wards complexity, it is an interesting architectural space to design. It has a range of functions to facilitate and there are many different user needs to meet. A space where the patients are influenced by the surroundings most of the time in a hospitalisation, where the patients use a lot of time alone, the doctors working area etc. It's a public domain with a lot of references to the design for the private sphere as a home and the idea of wellbeing, and a sense of safety.

The aim of the research is

-To plan the experience of the physical surroundings in order to achieve consistency between expectations and actual experience of space, and produce new knowledge about the art of light sensory qualities and the link between daylight reference and choice of artificial light.
-To achieve an attractive experience of the space and to obtain pleasurable light atmosphere in the wards we have to incorporate daylight and dynamic light.

My presentation will introduce a model of the important parameters influencing the experience of light in wards and expand the subjects: User, space, light, surface, time, locomotion, and energy. Preliminary proposals for design of wards will be presented.

Keywords: Dynamic light, Ward design, Light atmosphere
Stream: Architecture, the Built Environment and Planning
Presentation Type: 30 minute Paper Presentation in English
Paper: *A paper has not yet been submitted.*

Mrs Lone Stidsen

Phd Student, Department of Civil Engineering, Aalborg University
Aalborg, Denmark

[bio no rego (fix rego)]

I have an education as a teacher (1999) and an education as textile designer from Designskolen Kolding (2006). As a designer I have been studying lighting design and a interest for light influencing the atmosphere of a space. My special interest have been the relation between light-materials – colors, and the relations impact on the environment and the sense of atmosphere.

Mr Poul Henning Kirkegaard

Associated professor, Department of Civil Engineering, Aalborg University
aalborg, Denmark

[bio]

Mrs Anna Marie Fisker

Associated professor, Department of Architecture and Design, Aalborg University
Aalborg, Denmark

[bio no rego (fix rego)]

Mr Rasmus Lund Jensen

Associated professor, Department of Civil Engineering, Aalborg University
Aalborg, Denmark

[bio]

Ref: G10P0191