

## 12 ABSTRACT

### ***Design Patterns in Architecture:***

#### ***Towards A Proposed Graphic Instrument to Assist Designers***

By

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In this study the following is examined:

- Firstly, *how* to develop an appropriate design tool for architects by graphically exploring, analysing and organising architectural design patterns.

And further how graphics can be used to illustrate design, how computer graphics and the computer can be utilized as an instrument for storing and retrieving design data in terms of software and web sites applications.

- Secondly, finding a *way* of including patterns as part of a user-friendly instrument, to be implemented in the design process in practice.

By also investigating the design process, specifically the creative process, and the possibility of implementing the following pattern-types in a web-site: design principles, social preferences and architectural language.

## 12 EKSERP

### ***Patrone van Ontwerp in Argitektuur:***

#### ***'n Voorgestelde Grafiese Instrument om Ontwerpers van hulp te wees***

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In hierdie studie word die volgende ondersoek:

- Eerstens, *hoe* om 'n toepaslike ontwerp instrument te ontwikkel vir argitekthe deur die grafiese ondersoek, ontleding en organisering van argitektoniese ontwerp patrone.

Om verder te ondersoek hoe ontwerp grafies voorgestel kan word, rekenaar grafika en die rekenaar gebruik kan word as 'n instrument om ontwerp-data te stoor en te bewerk in terme van sagteware en webbladsye.

- Tweedens, om 'n *manier* te vind om patrone te implementeer in 'n maklik bruikbare instrument, in die ontwerp proses in die praktyk.

Om verder ook die proses van ontwerp, spesifiek die kreatiewe deel daarvan te ondersoek, en die moontlikheid om in webblaaie die volgende patroon-tipes te implementeer: ontwerp beginsels, sosiale voorkeure en argitektoniese taalgebruik.