

139 List of References



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Appendix A | Digital Art



+ Information Graphics

A depiction of statistical - or other information in a graphic and visual form.

Illustration a.1:

Facebook users' connectivity diagram (Facebook, 2010)

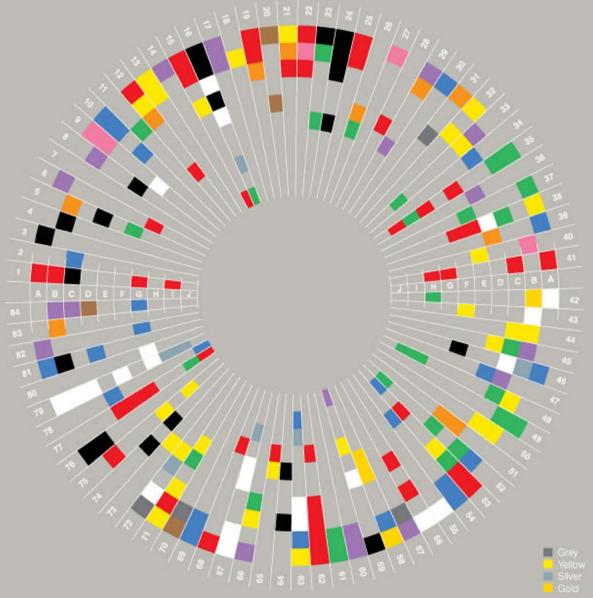
facebook



December 2010 146 |147

Colours In Culture



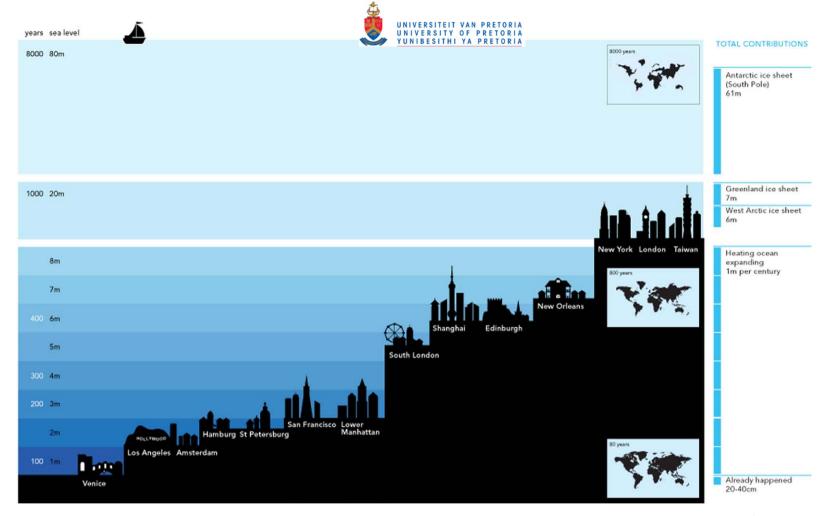


| | Western / American | |
|--|--|---|
| | Japanese | G |
| C | Hindu | 19 |
| DE | Native American Chinese | F G H |
| | Chinese | |
| | Anger | AS |
| | Art / Creativity | |
| | | 746 |
| | Bad Luck | 46 |
| | Balance | 47 |
| | Beauty | |
| | Beauty Calm Celebration Children | 44 |
| | Celebration | 5/ |
| | Children | 51 |
| | Cold | |
| 10 | Compassion | |
| 19 | Courage | |
| 12 | Cowardice | - |
| 14 | Cruelty | |
| | Danger | 57 |
| 16 | Danger Death | |
| 17 | Decadence | 56 |
| 18 | Deceit | 60 |
| 19 | Desire | 61 |
| 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25 27 | Death Decadence Deceit Desire Earthy Energy Erotic Etermite | 62 |
| 21 | Energy | 65 |
| 22 | Erotic | 64 |
| 23 | | 65 |
| 24 | | 66 |
| 25 | | 67 |
| 26 | Family | |
| 27 | | |
| | Fertility | 70 |
| 29 30 31 32 33 34 35 36 | Femininity Fertility Flamboyance Freedom Friendly | 71 |
| 30 | Freedom | 72 |
| | Friendly | 73 |
| | | 74 |
| 33 | God | |
| 34 | Gods | |
| 35 | Good Luck | 77 |
| 36 | | 78 |
| | Growth | 43 444 45 466 47 48 467 50 51 52 53 54 55 56 60 61 52 53 54 55 56 60 61 52 53 54 55 56 60 61 62 63 64 65 66 67 77 77 77 77 77 77 77 77 77 77 77 |
| | Happiness | 80 |
| | Healing | 81 |
| 40 | Healthy | 82 |
| | Healthy Heat | 83 |
| | | |

F Asian

- Eastern Europe
- H Muslin
- I African
- J South American

Illness Insight Luxury Marriage Money Mourning Radicalism Rational Royalty Self-cultivation Strength



Opposite |

Illustration a.2: *Colours in Culture.* Information graphic illustrating what various cultures associate with different colours (McCandless, 2009: 76)

This page |

Illustration a.3: When Sea Levels Attack. Information graphic indicating rising sea levels (McCandless, 2009: 74)





Images, graphics and



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16



Left to right Illustration a.4: Projections by Jenny Holzer, Massachusetts Museum of Contemporary Art, 2007 (Johnson, 2007) Illustration a.5: Projections by Jenny Holzer, Unknown Location, 2007 (Johnson, 2007)

Illustration a.6: Projections by Jenny Holzer, Massachusetts Museum of Contemporary Art, 2007 (Johnson, 2007)

Appendix A



+ Projection Mapping

Images, graphics and animations projected onto a three dimensional surface. A digital map of the surface has to be created in order for the projections to be displayed accurately.

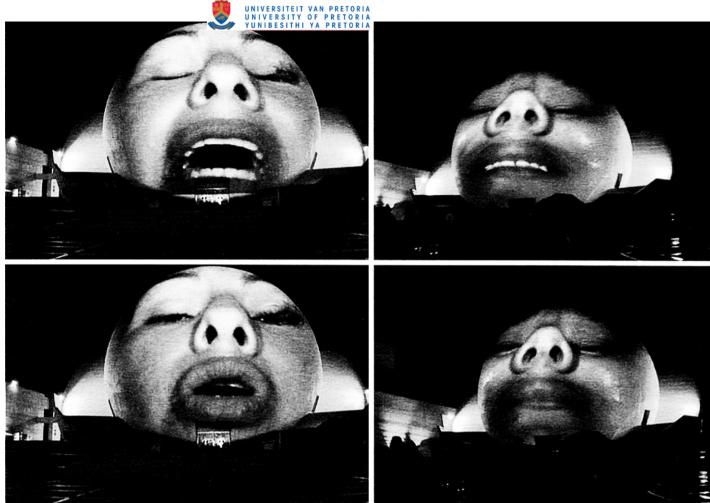
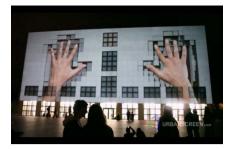


Illustration a.7: *Tijuana Projection* by Krzysztof Wodiczko, Tijuana, Mexico (HTFA, 2010)

Appendix A











Left to right (top to bottom)

Illustration a.8: Fremont Troll sculpture with a video art projection. Here, the face is replaced with one of a Native American Chief. (Unknown Artist, 2004) Illustration a.9-a.11: 555 Kubik by Unknown Artist, Galerie Der Gegenwart, Hamburg, 2009 (Leeb, 2009)

+ Interactive Projection

Primal Source is an example of an interactive digital artwork projected onto water vapour. The projected graphics are animated according to the noise levels and types of sounds surrounding the installation.



Illustration a.12:

Primal Source by Usman Haque, GLOW festival, Santa Monica pier, Santa Monica, 2008 (NOTCOT Archives, 2008. Edited by Author)

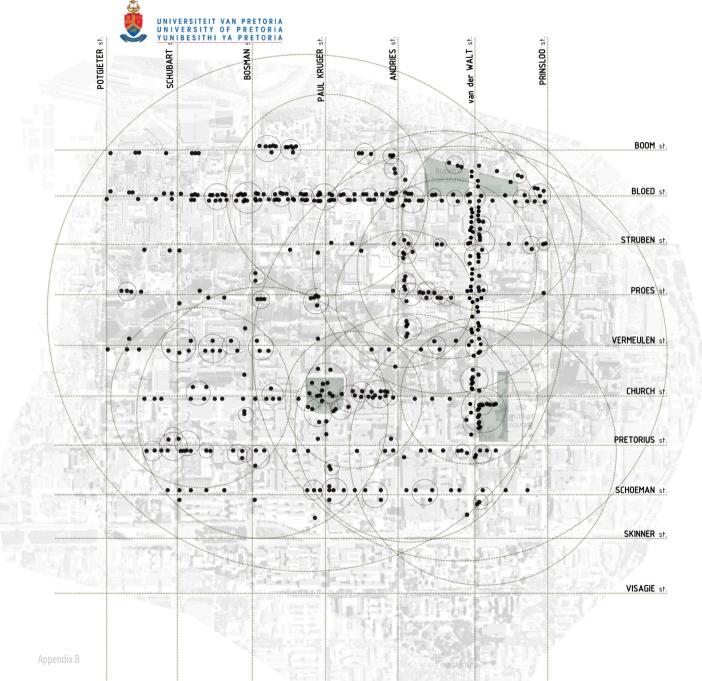








Appendix B | Seating Mapping



+ Experimental Mapping Exercise

An investigation was conducted into the way urban surfaces are used and what alternative elements are introduced for 'sitting' by city dwellers, in order to determine certain shortcomings in the existing urban environment.

+ Aim of the exercise:

- 01 Identifying hidden patterns within the city
- 02 Exploring wether or not the urban surfaces are used as intended
- 03 To determine what edge conditions architecture should encourage on the street edge

Figure b.1:

Map indicating informal vendor distribution within the mapping area (Author & other students, 2011)



Figure b.2: Photographs of percentage of seating by adaptation, in graph form (Author & other students, 2011)

+ Seating by Adaptation



+ Seating by Acquisition

Appendix B



+ Seating by Appropriated Urban Surface

in 20%





Figure b.5: Photographs of percentage of seating by re-use, in graph form (Author & other students, 2011)

+ Seating by Re-use



Appendix B



UNIVERSITEIT VAN PRETORIA UNIVERSITY OF PRETORIA YUNIBESITHI YA PRETORIA

Figure b.6: Photographs of percentage

of seating by design, in graph form (Author & other students, 2011)

+ Seating by Design

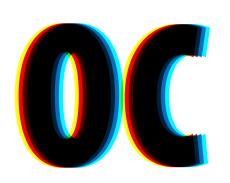


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+ Findings & Conclusions

- 01 Where urban surfaces are appropriateable they are favoured (walls & steps)
- 02 If no urban surface allows for re-appropriation, external seating elements are introduced. This indicates that there is not enough correctly designed seating in the city.
- 2.1 Crates are used by vendors who bring their produce in it (mostly edible products ex. potato chips and sweets)
- 2.2 Plastic chairs are mostly used by vendors who bring their products in boxes (can't sit on it, ex. fresh fruit)
- 2.3 Office chairs mainly occur at more permanent vendors such as barbers or stalls that utilise electricity (telephone services)
- 03 Formal seating is used for recreation by pedestrians, not vendors, due to its placement outside of the main pedestrian stream. Informal seating is used by traders. Building edges should allow for appropriation by introducing steps or low walls
- 04 In certain high energy areas vendors prefer to sit with their back toward the street as the main pedestrian flow occurs on the 'inside' of the sidewalk.
- 05 The concentration of people and spaza shops are in the direct vicinity of transport nodes and on main pedestrian routes
- 06 Products sold vary in different urban and commercial sectors, therefore products are an indication of the area's commercial activity
- 07 Vendors are mostly found on streets. Streets have become the new public spaces and should be designed accordingly
- 08 Architecture mainly provides horizontal elements or surfaces, thus a lack of vertical elements exist
- 09 Old buildings are preferred by informal traders as most contemporary architecture does not allow for appropriateable urban surfaces
- 10 Pedestrian and vendor congestion shifts daily according to shading patterns (shaded areas are congested in summer, while sunny areas are favoured in winter). For this reason, deciduous trees are the most appropriate shading devices for undefined street edges as it promotes comfort during all seasons.





Appendix C | Photographs of Model

