

University of Pretoria etd-Kortenhoeven,N (2005)



VISION

EXPRESSIVE SPACE

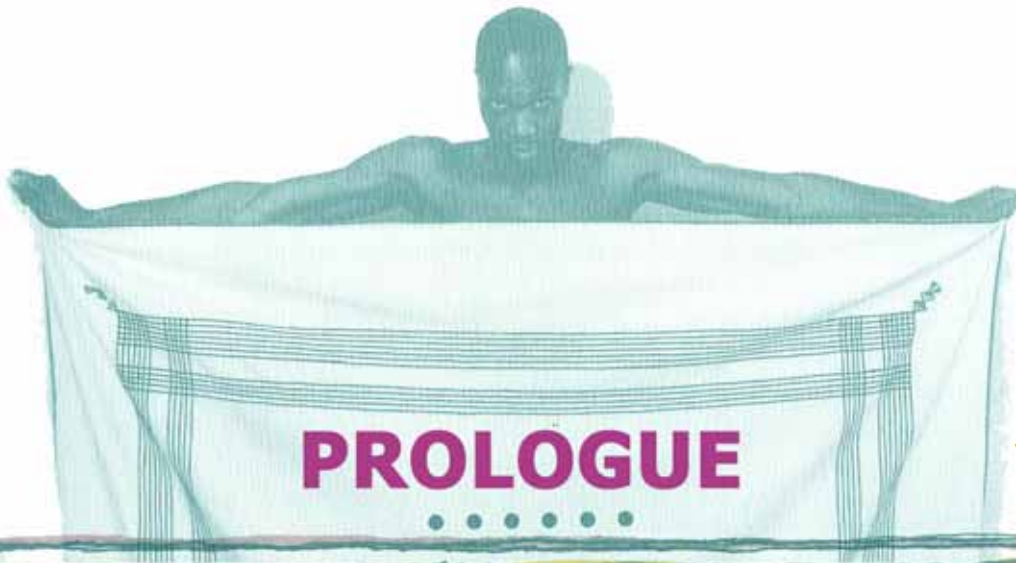
TEXTILE ART CENTRE

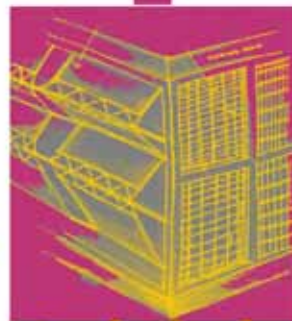
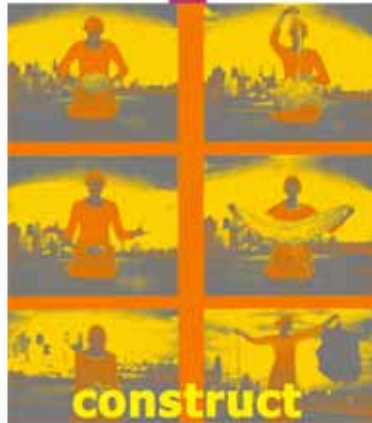
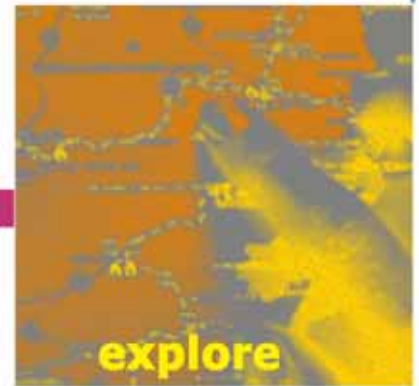
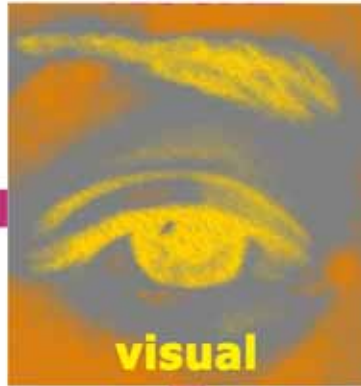
NICOLA KORTENHOEVEN

This design discourse is an idealistic attempt to provide a built platform that generates opportunity and allows and accepts expression for all individuals type of research and creative interplay undertaken here, however idealistic, will restore faith in a developing country's heart enabling it to dwell in the realm of possibility. If no one dwells there, no one will know what can possibly be... so dwell.

"Single fibres are like letters of the alphabet
with them one can form words and sentences
then create prose and poetry
like a single letter a fibre has characteristics
which may be sequenced towards an infinity of forms
this unlimited potential for interpretation
is basic to an artist working in art fabric"

(CONSTANTINE, M & LARSON, J. 1981:7)





DISCOURSE SEQUENCE

1

SUMMARY

The design discourse focuses on a Textile Art Centre proposed for the Tshwane University of Technology site adjacent to Nelson Mandela Drive in Pretoria . The site is underutilized, used only as a parking space when the Breytenbach Theatre is staging shows. The establishment of an active urban node will contribute to the Nelson Mandela Corridor Development, as this site is allocated as a landmark to introduce the southern gateway to the city. It will be a contributing component to the Arts and Culture precinct, connecting the public spaces of Oeverzicht Village with Esselen Street.

The author is of the opinion that the sole purpose of Architecture is to **serve**. The educational and training centre will accommodate postgraduate students of the Department of Textile Design and Technology as well as community skills development groups that previously had no access to such facilities. It will establish links to enforce human behavioural patterns and strengthen relationships, creating a diverse mixture of vibrant public uses in a culturally interactive space. A place will be created where people from different backgrounds can reflect on their identities and cultures and where individual expression is valued. Textiles exploit these differences, which in the process bring forth many prospects. The centre will indulge the fashion fanatics and educate the uninformed. Any person who strives to learn more and attain a textile-related self-sustaining practice could participate and enrol in the *Skills Team's* programmes.

Funding will be obtained from the Tshwane University of Technology (TUT), the Cultural Craft Industries Design Unit of the Council for Scientific and Industrial Research (CSIR) and the Tshwane Municipality. It will also be necessary to obtain financial contributions from private organisations and South African Government Departments. Management and support will be supplied by TUT staff and private individuals.

Design discourse**1 Audio Journal**

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Design discourse

8 Final Design Proposal

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1 Audio Journal

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| Unknown Author | Page 2-3 | <ol style="list-style-type: none"> 1. Pretoria site location map 2. Photos of Sunnyside people |
| | Page 4-5 | <ol style="list-style-type: none"> 1. Skills Team Brochure 2. Textile Department Brochure |
| TUT TUT | Page 5-6 | <ol style="list-style-type: none"> 1. Orientation map: aerial photograph of Pretoria. |
| Pta. Metropolitan Council | | |
| Author | Page 9-10 | <ol style="list-style-type: none"> 1. TUT prop shop 2. Loom 3. Blaster room 4. Student exhibit 5. Silkscreen stack 6. Weaver 7. Dark room 8. Print table 9. Dark room 10. CSIR Logo |
| | www.csir.co.za | |
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| Garden and Home 2005:16-17 Author,photo | Page 10-11 | <ol style="list-style-type: none"> 1. Creative Africa article |
| | Page 10-11 | <ol style="list-style-type: none"> 1. Khanga silkscreen print |

2 Visual Journal

| | | |
|--|------------|--|
| Pta. Metropolitan Council Author | Page 14-15 | <ol style="list-style-type: none"> 1. Analysis of aerial photo of chosen site 2. Site climate analysis |
| | Page 16-17 | <ol style="list-style-type: none"> 1. Shadow patterns 2. Section a-a 3. Section b-b 4. Site diagram |
| | Page 18-19 | <ol style="list-style-type: none"> 1. Photomap of the region |
| | Page 20-21 | <ol style="list-style-type: none"> 1. Figure ground 2. Ground figure 3. Movement map 4. Linkage map |
| Pta. Metropolitan Council Urban Solutions: 2004 | Page 22-23 | <ol style="list-style-type: none"> 1. Radius map, integrated aerial photo 2. Apies River Framework 3. Nelson Mandela Development Corridor: district map 4. Nelson Mandela Development Corridor: proposed public spaces map 5. Nelson Mandela Development Corridor: proposed massing |
| | Page 24-25 | <ol style="list-style-type: none"> 1. Nelson Mandela Development Corridor: landmark design procedure 2. Nelson Mandela Development Corridor: |

landmark design proposal
3. Eastern alley next to MOTH Club

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| Author, drawings | <ol style="list-style-type: none"> 1. View from southern section of site in northerly direction 2. Southern view 3. Eastern residential block 4. Western residential block 5. Function analysis of existing buildings 6. Eastern access to site 7. Vehicular access to site 8. Vehicular access from Gerard Moerdyk street 9. Vehicular access to Breytenbach Theatre offices |
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| CALLAWAY, N. 1988: 37 CALLAWAY, N. 1988: 15 CALLAWAY, N. 1988: 30 | <ol style="list-style-type: none"> 1. Linen crepe scarf 2. Dress of tube weave of seersucker wool 3. Balloon raincoat of light nylon |
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| CALLAWAY, N. 1988: 2 CALLAWAY, N. 1988: 9 | <ol style="list-style-type: none"> 1. Linen sash belts 2. Poncho and apron of woven shredded leather and mink. |
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| Unknown, ? Author,photo | <ol style="list-style-type: none"> 1. Breytenbach Theatre 1903 2. Basement access 3. Breytenbach Theatre, 1918 4. Breytenbach Theatre, 1980 5. Moon Box billboard 6. Theatre stage |
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| Unknown, ? | <ol style="list-style-type: none"> 1. Weaving loom 2. CSIR Craft shop |
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| HARTUNG, R. 1969: 12 STROUD, M.B. 2003: 193 CONSTANTINE, M & LARSON, J. 1981: 6 | <ol style="list-style-type: none"> 1. Playing with string 2. Papua print 3. Face |
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| STROUD, M.B. 2003: 221 CSIR, postcard | <ol style="list-style-type: none"> 1. Prado print 2. Felt |
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| Business card Author,photo | <ol style="list-style-type: none"> 1. Arkas logo 2. Arkas office 3. Workers' bus 4. Shop interior 5. Silkscreen printing table 6. Silkscreen print 7. Workers 8. Arkas shop 9. Cleaning of print |
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| | <ol style="list-style-type: none"> 1. Bus factory: Ground floor exhibition 2. Bus factory: Total exhibition area 3. Bus factory: Printing table 4. Daliwe display panel 5. Daliwe: blind samples 6. Daliwe: worker weaving blind |
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- Author, sketch
MPTS Architectural Library.
2001 : 44
- Author, photo
Author, sketch
Author, photo
1. Mpumalanga Provincial Government Complex: Sketch of walkway
 2. Finishes
 3. Dome interior
 4. Sketches of roof details
 5. Shading s/s mesh screen
 6. Walkway and offices
 7. Wooden roof truss
 8. Cooling towers and dome
 9. Cooling towers and offices

- Page 46-47 Rorke's Drift
- HOBBS, P. & RANKIN, E. 2003: 26
HOBBS, P. & RANKIN, E. 2003: 26
- HOBBS, P. & RANKIN, E. 2003: 52
HOBBS, P. & RANKIN, E. 2003: 62
HOBBS, P. & RANKIN, E. 2003: 62
HOBBS, P. & RANKIN, E. 2003: 74
1. Tapestry of woven strips
 2. Strip weaving
 3. Paper pattern cut-outs for weaving
 4. Old stone mission house
 5. Screen printing: Goodness Mdluli
 6. Linocut print: Emma Damane
 7. Copperplate etching

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- HOBBS, P. & RANKIN, E. 2003:107
HOBBS, P. & RANKIN, E. 2003:146
HOBBS, P. & RANKIN, E. 2003: 27
1. Passbook
 2. Fine Arts class of 1981
 3. Students and teachers

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1. Pleated airbrush dyed cotton

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- STROUD,M.B. 2003: 119
1. Position 1: Marie Ange Guilleminet
 2. Position 2: Marie Ange Guilleminet
 3. Position 3: Marie Ange Guilleminet

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- Author, sketches
1. Position 4: Marie Ange Guilleminet
 2. East/west movement axis
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 5. Zones: Private, semi-public and public

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- STROUD,M.B. 2003: 119
1. Rhythm
 2. Visual interactive facade
 3. Movement zones
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- Author, sketch
TUTT, P & ADLER, D. 1998:254
STROUD,M.B. 2003: 119
1. Silkscreen table requirements
 2. Gallery function bubble
 3. Position 6: Marie Ange Guilleminet

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- CALLAWAY, N. 1988: 6
1. Heavy linen, elephant crepe

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- Author, sketch
Author, sketch
EVANS, B.2002:38
1. Sketches of Expertex Textile Centrum
 2. Function layout analysis
 3. Glass facade connecting old and new buildings

- EVANS, B.2002:40
4. Section through old and new buildings

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- EVANS, B.2002:40
Author, sketch
Author, sketch
O.M.A. KOOLHAAS, R & MAU, B. 1995:430
Author, sketch
1. Steel mesh facade
 2. Ramp entrance to Kunsthal
 3. Boulevard facade of Kunsthal
 4. Section
 5. Ramp detail: Kunsthal

- Page 68-69 : Kunsthal
- Author, sketch
RILEY, T. 2002:9
RILEY, T. 2002:9
1. Function zoning analysis
 2. Park facade of Kunsthal
 3. Closed facade of lounge
 4. Semi-open facade
 5. Open facade
 6. Plan analysis

- Page 70-71 : Municipal lounge
- BUCHANAN, P. 2000: 144
BUCHANAN, P. 2000: 142
BUCHANAN, P. 2000: 143
1. Interior texture of facade
 2. Exterior texture of facade
 3. Section
 4. Night facade
 5. Elevation sketch of Menil art gallery
 6. Building in context
 7. Three-layered building system

- Page 72-73 : Menil gallery
- Author, sketch
Author, sketch
Author, sketch
BUCHANAN, P. 2000: 157
DARROL, L. 2005: 26
1. Function zoning analysis: ground floor
 2. Function zoning analysis: basement
 3. Light reflecting leaves
 4. Section through gallery
 5. Perspective of historical Drill Hall

- Page 74-75 : Drill Hall
- DARROL, L. 2005: 27
DARROL, L. 2005: 29
Author, sketch
1. Western building facade
 2. Facade of columns
 3. Functional zoning analysis of plan

- Page 76-77
- DARROL, L. 2005: 32
DARROL, L. 2005: 32
MICHON, M. 2004:19
Author, photo
1. Infantry building
 2. Eastern building/pedestrian link
 3. DTI: Esselen Street entrance
 4. DTI: Covered walkway

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- Author, photo
MICHON, M. 2004:21
Author, photo
Author, photo
1. Atrium detail
 2. Western entrance: water feature
 3. Material selection
 4. Theosophical society building

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1. Sketches of Pretoria CBD
 2. Sketches of Pretoria CBD
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1. Model study of vernacular
 2. Model study of vernacular
 3. Model study of vernacular
 4. Details derived from study

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1. Sketches of design influences

- Author, sketches
 Author, sketches
 RILEY, T. 2002: 387
 FEIREISS, K. 2002:324
 Author
 FEIREISS, K. 2002:325
 SALAZAR, J. 2002:342
 Digest of South African
 Architecture, 2004/2005: 40
 ibid: 31
 ibid: 68
 ibid:138
2. Sketches of design influences
 3. Sketches of design influences
 4. Museum Hetvalkhof
 5. Riegler and Riewe architects: Federal Institute
 6. Sketches of design influences
 7. Riegler Riewe architects: low cost housing, Graz
 8. Sauerbruch Hutton architects: Adlershof
 9. Izikosan rock collection gallery
 10. Usasazo Secondary School
 11. Chapel VanderBijlpark
 12. Metrohall

6 Design Response Journal

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CALLAWAY, N. 1988: 29

1. Double knit nylon mesh net

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Author, photos

1. Movement Model 1
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3. Movement axes: diagram of site

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Author, sketches

1. Site zoning
2. NMDC mass proposal
3. Function development
4. Design Proposal 1

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2. Design Proposal 3

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Author, sketches

1. Design Proposal 4
2. Sketch of Esselen Street, Sunnyside

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1. Sketch of street market, Sunnyside
2. Map of Sunnyside: Drug and sex sites
3. Map of Sunnyside: Social upliftment organizations

Page 98-99

Author, sketches

1. Shopfront development
2. Breytenbach facade proposal
3. Sectional development
4. Western facade development
5. Poster of Mr Price clothing at TUT
6. Site plan

Author, photo

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Author, sketches

1. Exhibition detailing
2. Groundfloor plan
3. Basement plan
4. Shop section and arcade detail
5. Western facade detailing
6. Exhibition walkway
7. Textile hanging art at TUT Textile Department
8. Interior ramp proposal

Author, photo

Author, sketches

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1. Silkscreen racks
2. First floor plan
3. South elevation
4. Weaving workshop
5. Textile Department: Lighting
6. Silkscreen table
7. Blaster room

Author, photo

Author, photo

Author, photo

Author, sketch

Author, photo

Author, sketch

8. Wet space
9. Dry rack
10. Weaving facility proposal
11. Loom storage
12. Northern elevation connecting to MOTH Club

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Pictures of model

Page 104-105

Author, drawings

1. West-east section: visual links
2. North-south section: visual links
3. Textile sails graphic

Unknown,?

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Unknown,?

1. Textile sails graphic

7 Technical Investigation Journal

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WILHIDE, E. 2002:114

www.envirosystems.org

Author, sketch

1. Column structure: exposed concrete
2. Indoor water filter
3. Eastern elevation

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JAKOB, INOX LINE. 1999: 42

JAKOB, INOX LINE. 1999: 42

WILHIDE, E. 2002:138

WILHIDE, E. 2002:139

Unknown,?

Unknown,?

1. Growth screen facade proposal
2. Growth screen s/s connectors
3. Liloneum
4. Rubber
5. Brick
6. Concrete

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WILHIDE, E. 2002:149

www.jobwerx.org

GKD. 1999: 7

GKD. 1999: 7

Author, sketch

1. Steel: dismountable
2. Konarka solar fabric
3. Futura stainless steel mesh
4. Zambezi stainless steel mesh
5. Steel column footing
6. Shop/office section: Ventilation and sun angles
7. S/S Mesh frame

Page 114-115

Author, drawing

Author, drawing

Author, model photo

www.synthetictextiles.com

www.synthetictextiles.com

JODIDIO, P. 2001:394

JODIDIO, P. 2001:395

JODIDIO, P. 2001:393

1. Loom detail
2. Section exhibition/workshop
3. Loom 3d model
4. Shading cloths
5. Polypropylene ropes
6. Woven scrap material
7. Panel construction
8. Panel

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Author, drawings

1. Fire strategy

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1. Map of position 1
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2. Perspective of position 2

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2. Perspective of position 3
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4. Perspective of position 4

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| | 2. Perspective of position 5 |
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| HOUSE AND LEISURE: 2004:51 | 1. Dulux advertisement |
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| CREATE SA. 2005 | 1. Man with cloth |
| STROUD,M.B. 2003: 153 | 1. Zigzag rug by Mike Kelly |
| PHAIDON, 2005 | Frontpage: Just pleats please, Issey Miyake |

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The Central Business District (CBD)
Inner City Spatial Development Framework (ICSDF)
The Nelson Mandela Development Corridor (NMDC)
Esselen City Improvement District (ECID)
Department of Trade and Industry (DTI)
Council for Scientific and Industrial Research (CSIR)
African Growth and Opportunity Act (AGOA)
Tshwane University of Technology (TUT)