

Mapping and demystifying Digital scholarship

Combining 3D models with an
Institutional Repository



Presented by: Leon Pienaar & Hettie Groenewald



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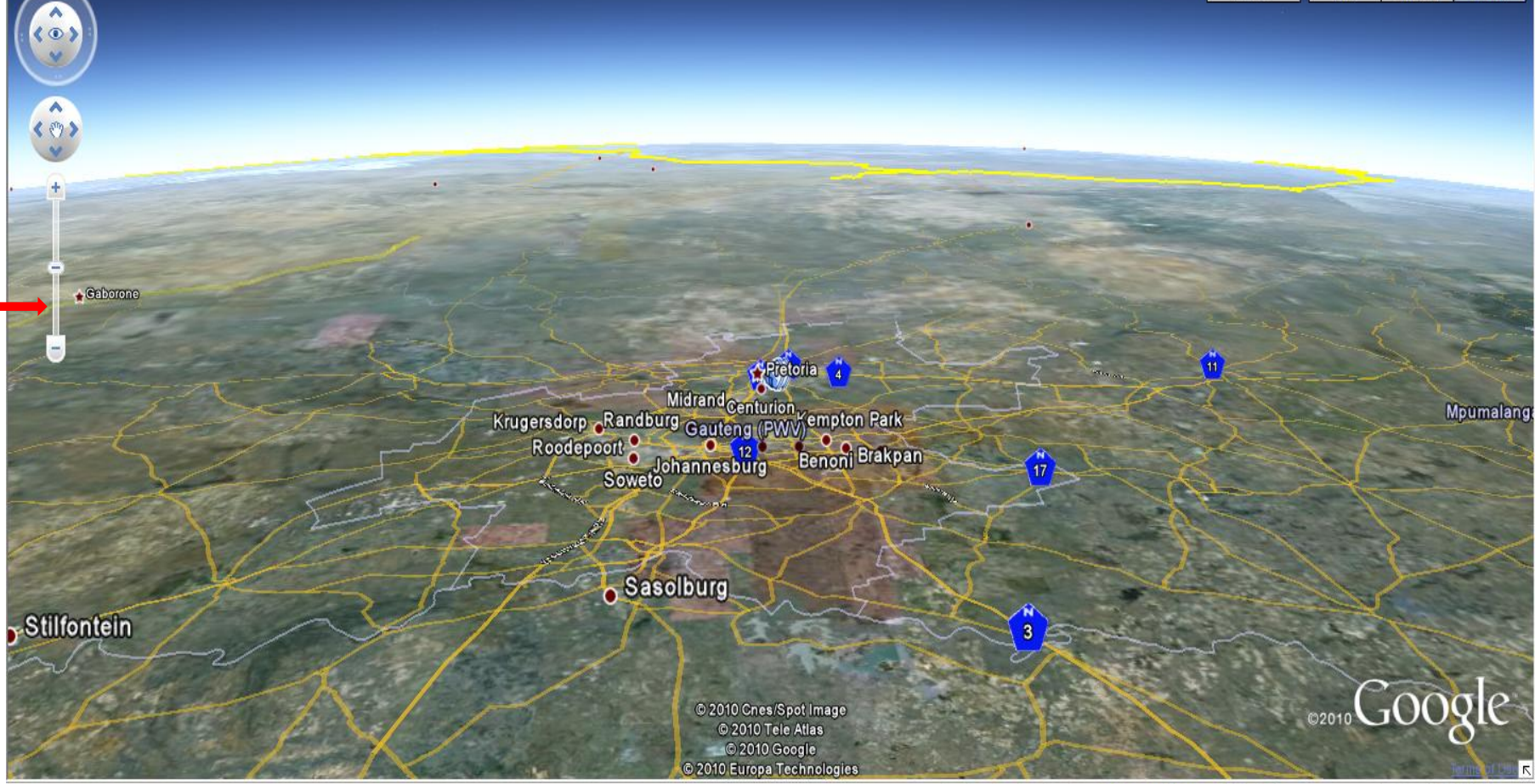
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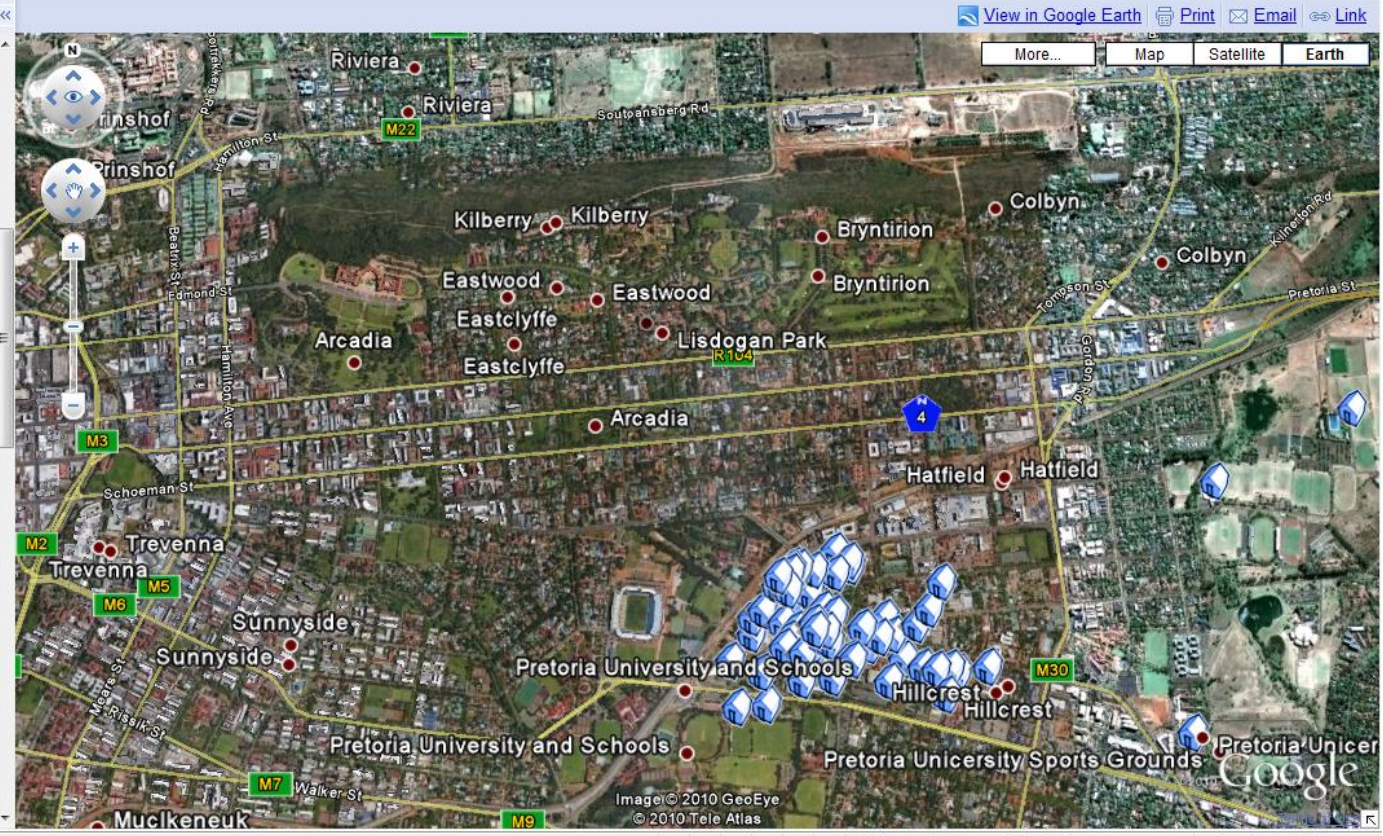
US Dept of State Geographer







- Get Directions My Maps
- Old Chemistry Building
The unpretentious Renaissance-style building was
 - Chancellors Building
Increasing student numbers in the late 1950s
 - Zoology Building
This simple Renaissance-style building is similar in
 - Natural Sciences I Building
Designed by architect Philip Viljoen of Steyn and
 - Mathematics Building
Originally known as the Administration building,
 - Old Merensky Library
In 1933 it was decided by the University to
 - Merensky II Library
Consisting of six levels, this building houses the
 - Client Service Centre (CSC)
Known colloquially as the 'Fish Bowl' because of
 - Kya Rosa
This beautifully decorated late-Victorian house at
 - Stoneman Building
The Margaretha Mes Institute for Plant Physiology
 - Vetman Building
The Margaretha Mes Institute for Plant Physiology
 - Bateman Laboratory
The Margaretha Mes Institute for Plant Physiology
 - Old Agricultural Building
Designed by J B Dey of the Department of Public
 - Forestry and Agricultural Biotechnology Institute Building I (FABI I)
These modern-looking, sandstone-based buildings,
 - Chapel (Old Monastery)
Bought from the Catholic Church in 1980, the
 - Geography Building
Originally built as an extension to the present
 - Musaion
Built as a designated complex to provide facilities
 - Club Hall Building
In 1929 the Transvaal University College (TUC)



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Google 3D warehouse

Old Merensky Library

by Leon Pienaar
Uploaded on September 26, 2008

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Description

In 1933 it was decided by the University to construct a separate building for the library which was then still located in...

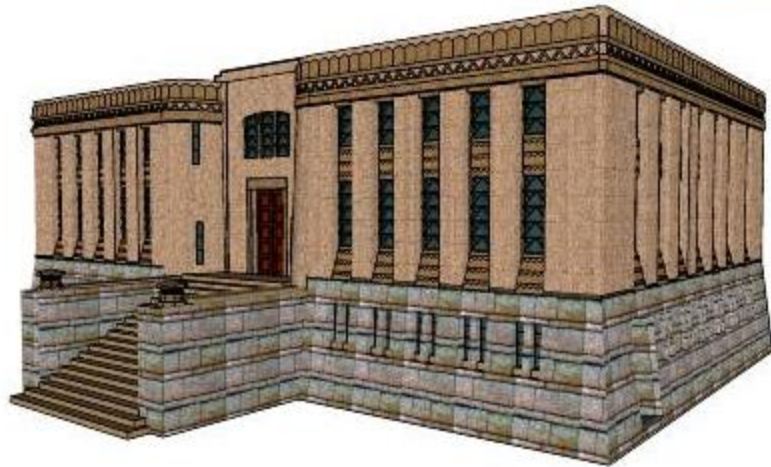
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In 1933 it was decided by the University to construct a separate building for the library which was then still located in the Old Arts building. With a contribution of £10 000 from mining geologist Dr Hans Merensky, construction started in 1937. General Jan Smuts laid the cornerstone on 11 October 1937 and on 15 April 1938 the building was officially opened. Sketchup model drawn by Mnr CF Oosthuizen

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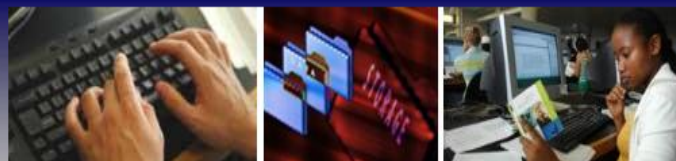
- **Google Earth** is a virtual globe, map and geographic information program that was originally called EarthViewer 3D, and was created by Keyhole, Inc, a company acquired by Google in 2004.
- It maps the Earth by the superimposition of images obtained from satellite imagery, aerial photography and GIS 3D globe.

www.wikipedia.org

Google Earth



- Available as: Google Earth, Google Earth Pro
- Use : PC's: [Windows 2000](#), [Mac OS X](#) ,[Linux Kernel](#), [FreeBSD](#).
- May 2008: [browser plugin](#)
- [iPhone OS](#) October 2008, as a free download from the [App Store](#).
- Google also added the imagery from the Earth database to their web based mapping software.
- Increase in media coverage on [virtual globes](#)
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"This country has given me so much that I am only too happy to be allowed to help it to develop and to be able to give back to it a fraction of what it has given to me..." - [Dr. Hans Merensky](#), at the opening of the Merensky Library.

In designing the building, architect [Gerhard Moerdyk](#) was influenced by various styles, including Art Deco, Neo-Classicism, Arts and Crafts, as well as local styles such as Cape Dutch and Regency. Moerdyk himself described the building as a study in Persian style, with influences from Africa including the Zimbabwe and



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Source: [Campus Building Guide 2008](#)

[Campus map](#)

[Campus Map with Google](#)

Old Merensky Library on [Google Earth](#): [25°45'15.76"S, 28°13'47.87"E](#)

Old Merensky Library on [Wikipedia](#)

[3D Models of Old Merensky Library](#) on [Google 3D Warehouse](#)



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- Organizational commitment
- Long- term preservation
- Organization
- Open access
- Distribution

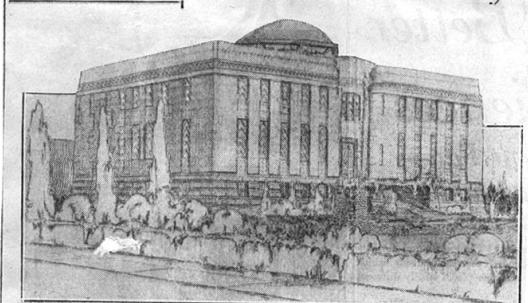
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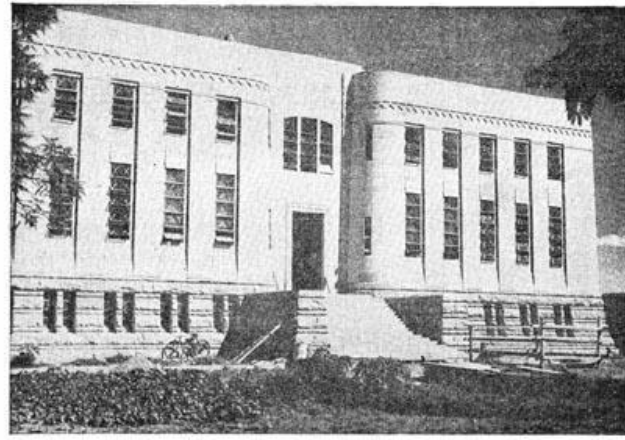
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- Roles, collaboration, material
- Objectives: visibility and preservation
- Accommodating new formats

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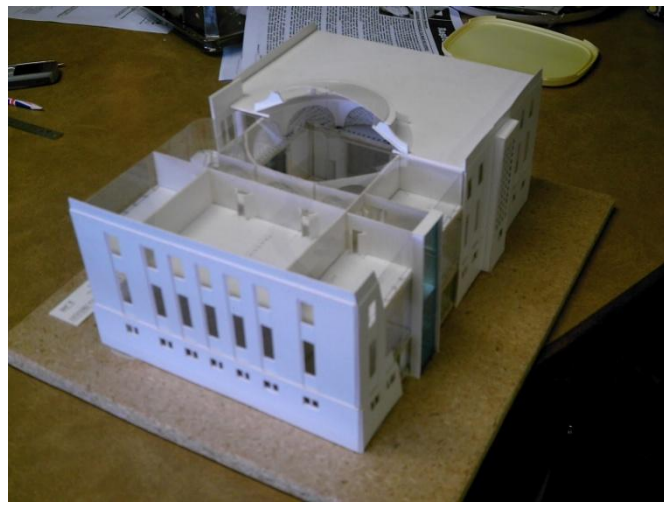
Pretoria's New Library



A perspective drawing by the architect, Mr. Gerard Moerbyk, of the new library for the University of Pretoria. This imposing building, which will be fire-proof, air-conditioned and capable of accommodating a quarter million volumes, will cost £20,000, and will be one of the most modern libraries in South Africa. Building operations will start shortly.



Die nuwe biblioteekgebou van die Universiteit Pretoria wat gister amptelik deur min. H. A. Fagan geopen is.



UPSpace at the University of Pretoria: The Merensky story - Windows Internet Explorer

http://repository.up.ac.za/upspace/handle/2263/7614

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Title: The Merensky story

Author/s: Lee, Magniet

Other Contributor/s: Pienaar, Annie
Du Pisane, Maureen
Van Rheede van Oudtshoorn, G.P.
De Kock, Rikus
UPInfont

LC Subjects: Library buildings -- South Africa -- Pretoria
University of Pretoria -- Buildings
University of Pretoria -- History
Architecture -- South Africa -- Pretoria
University of Pretoria -- Libraries

Keywords: Merensky 1
Merensky 1
Old Merensky Library
Merensky, Hans, 1871-1952
Main campus
Library history
University of Pretoria library

Issue Date: 21-Oct-2008

Creation Date: 2008

Sponsors: UPInfont, Health Sciences Librines, University of Pretoria

Abstract: In 1933 it was decided by the University to construct a separate building for the library which was then still located in the Old Arts building. With a contribution of £10 000 from mining geologist Dr Hans Merensky, construction started in 1937. General Jan Smuts laid the cornerstone on 11 October 1937 and on 15 April 1938 the building was officially opened. "This country has given me so much that I am only too happy to be allowed to help it to develop and to be able to give back to it a fraction of what it has given to me..." - Hans Merensky, at the opening of the Merensky Library. In designing the building, architect Gerhard Moerdyk was influenced by various styles, including Art Deco, Neo-Classicism, Arts and Crafts, as well as local styles such as Cape Dutch and Regency. Moerdyk himself described the building as a study in Persian style, with influences from Africa including the Zimbabwe and ancient Egyptian ruins. He used local materials and incorporated symbols of African origin. The prominent zigzag pattern, for example, is taken from the Zimbabwe ruins and represents water and fertility, the crocodile as a water figure and the bird as a symbol of space, symbolizing the freedom and creativity of the author. The curving of the walls symbolises an open book. The green bevelled glass windows were imported from Italy and helped to minimise heat from the sun and also protected paper against ultraviolet light. The design of the building is a source of controversy and speculation with some claiming that Moerdyk used it as a practice run for the design of the Voortrekker Monument, as there are many similarities between the two buildings. Today this national monument serves as the Edoardo Villa museum and also houses amongst others, a Mini Course, Manita Napier and the largest South African sheet music collectors. This DVD relates the history of the Merensky Library of the University of Pretoria. The latest architectural and technological developments are also shown.

Description: 1 videodisc [30 min] : sd., col. ; 4 3/4 in. Access video with mp4 player, e.g. Windows Media Player or QuickTime. Download QuickTime from <http://www.apple.com/quicktime/download/>. Original MPEG file was split into 4 separate mp4 files for download purposes.



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Title: Old Merensky: Artlantis model
Advisor/s: Pienaar, Leon
Author/s: Oosthuizen, C.F.
Editor/s: Läuferts, Monika
Other Contributor/s: Moerdijk, Gerard
LC Subjects: Library buildings -- South Africa -- Pretoria
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University of Pretoria -- History
Architecture -- South Africa -- Pretoria
Architectural models

Keywords: Merensky I
Merensky 1
Edoardo Villa Museum
Old Merensky Library
Moerdyk, Gerard
Moerdyk, G.P.L.
Merensky, Hans, 1871-1952
Virtual models
Main campus

Issue Date: 2008

Abstract: In 1933 it was decided by the University to construct a separate building for the library which was then still located in the Old Arts building. With a contribution of £10 000 from mining geologist Dr Hans Merensky, construction started in 1937. General Jan Smuts laid the cornerstone on 11 October 1937 and on 15 April 1938 the building was officially opened. "This country has given me so much that I am only too happy to be allowed to help it to develop and to be able to give back to it a fraction of what it has given to me..." - Hans Merensky, at the opening of the Merensky Library. In designing the building, architect Gerhard Moerdyk was influenced by various styles, including Art Deco, Neo-Classicism, Arts and Crafts, as well as local styles such as Cape Dutch and Regency. Moerdyk himself described the building as a study in Persian style, with influences from Africa including the Zimbabwe and ancient Egyptian ruins. He used local materials and incorporated symbols of African origin. The prominent zigzag pattern, for example, is taken from the Zimbabwe ruins and represents water and fertility, the crocodile as a water figure and the bird as a symbol of space, symbolizing the freedom and creativity of the author. The curving of the walls symbolises an open book. The green bevelled glass windows were imported from Italy and helped to minimise heat from the sun and also protected paper against ultraviolet light. The design of the building is a source of controversy and speculation with some claiming that Moerdyk used it as a practice run for the design of the Voortrekker Monument, as there are many similarities between the two buildings. Today this national monument serves as the Edoardo Villa museum and also houses amongst others, a Mimi Coertse, Marita Napier and the largest South African sheet music collections.

Description: Artlantis model of the Old Merensky, created by using the Artlantis software. To access the model, please use Artlantis software which can be downloaded from: <http://www.artlantis.com/index.php?page=download/demo/index>. Created by 3rd year B.Sc.(Arch) student, University of Pretoria, 2008.

URI: <http://hdl.handle.net/2263/6566>

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Type: Image, 3-D

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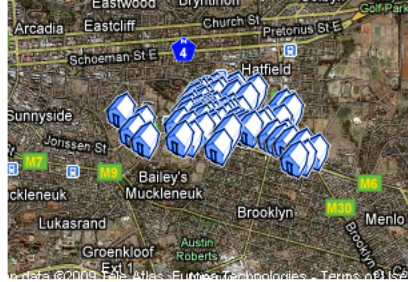
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Collection of plans, drawings, presentation drawings, rendered perspectives, photographs, documents and related material of buildings in the Pretoria environment.

3D models of buildings, [Pretoria Collection](#), [Google 3D Warehouse](#)

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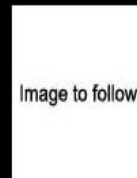


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Bateman Laboratory



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Virtual Campus launch

2008



Departments of Architecture & Library Services

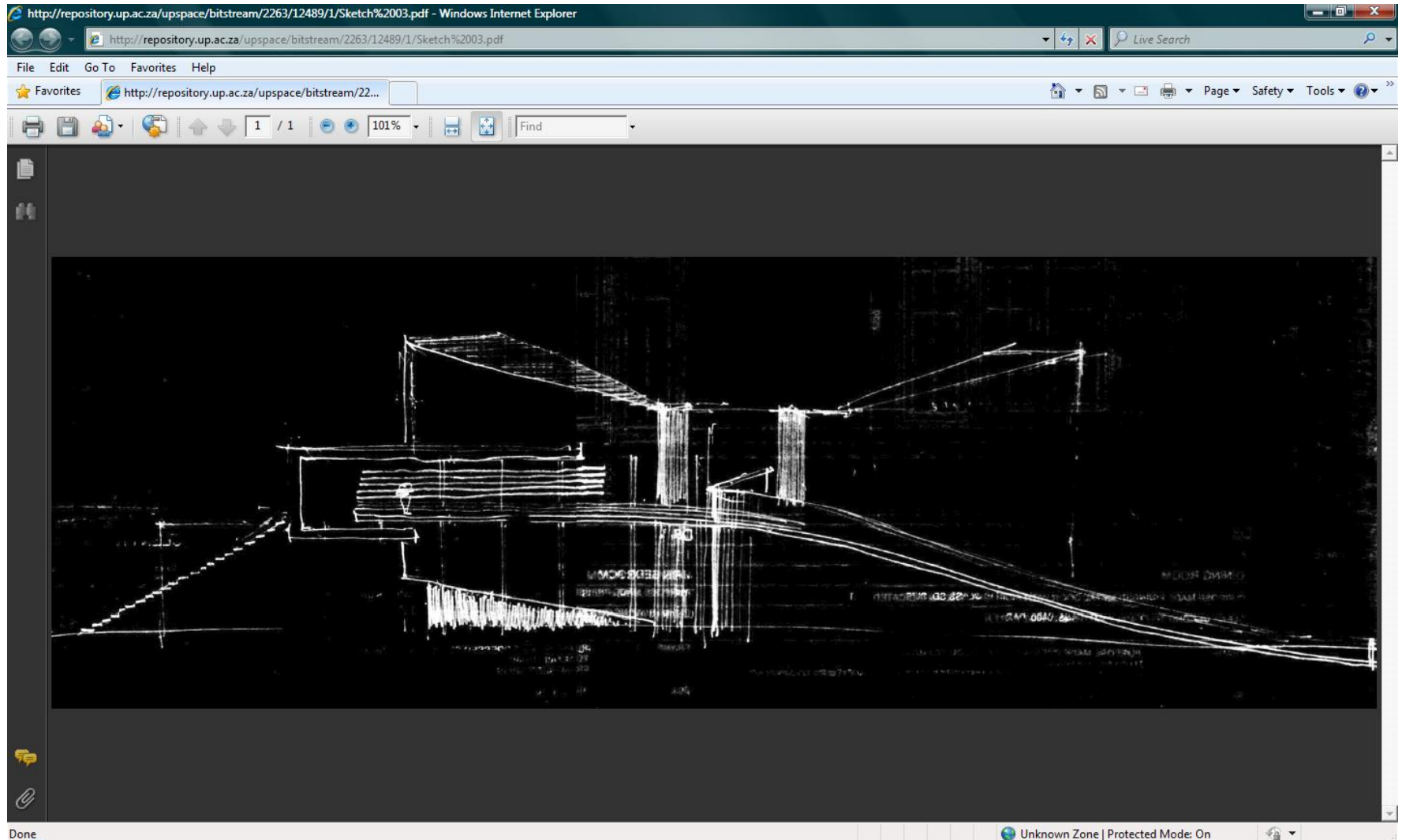
Leon Pienaar



Landscape proposal



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Thanks to the liberal sponsorship of the **cement & concrete institute** those attending the function on the 6th of May will be treated to a delicious cocktail function afterwards.



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Department of Architecture



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Virtual campus project initiated in 2008. View the [Google map](#) of the project.



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Integration

The screenshot shows a web browser window displaying a Google Maps page. The address bar contains the URL: <http://maps.google.co.za/maps?f=q&source=embed&hl=en&geocode=&q=http://sketchup.google.com/3dwarehouse/placemarksanon?clid=e9264075e3>. The page title is "3D Warehouse - Google Maps".

The main content area features a 3D architectural rendering of a university campus. The buildings are rendered in a light grey/blue color, and the surrounding area includes roads, green spaces, and other structures. A search bar at the top of the map area contains the text "http://sketchup.google.com/3dwarehouse/placemarksanon?clid=e9264075e3".

On the left side of the page, there is a sidebar titled "3D Warehouse" with a "Save to My Maps" link. Below this, a list of buildings is displayed, each with a blue location pin icon and a brief description:

- [House Jasmyn](#)
Ladies residence for students at the University of
- [House Boekenhout](#)
Mens residence for students of the University of
- [Hockey Clubhouse](#)
Clubhouse facilities for the University of Pretoria
- [HPC Lockers](#)
Facilities used by the HPC to house visiting sports
- [Agricultural Sciences Building](#)
This building consists of offices and lecture halls for
- [Centenary Building Lecture Halls](#)
Lecture halls on the main campus of the University
- [Water Utilisation, South Campus](#)
Water Utilisation, building 4 on South Campus.
- [Asterhof](#)
Womans residence for the University of Pretoria.
- [Additions to Nerina](#)
Recent additions to Nerina, Ladies residence of the
- [Town and Regional Planning building](#)
Town (or Urban) and Regional Planning is primarily
- [Forestry and Agricultural Biotechnology Institute Building II \(FABI II\)](#)
These modern-looking, sandstone-based buildings,
- [Student Centre](#)
Over the years the University had several student
- [Old Chemistry Building](#)
The unpretentious Renaissance-style building was
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Increasing student numbers in the late 1950s
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This simple Renaissance-style building is similar in
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Welcome to UPSpace, the full text open access digital research repository of the University of Pretoria!

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Communities in UPSpace

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- Centre for the Study of AIDS (CSA)
- Economic & Management Sciences
- Education
- Education Innovation
- Engineering, Built Environment & Information Technology
- Health Sciences
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- Mapungubwe Collections
- Natural & Agricultural Sciences
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US Dept of State Geographer

Thank you !



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