



**Bourekenkunde en Konstruksiebestuur**  
**Quantity Surveying and Construction Management**

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**Oorsig • Overview**

**50** jaar • years  
**1955 - 2005**



**UNIVERSITEIT VAN DIE VRYSTAAT**  
**UNIVERSITY OF THE FREE STATE**  
**YUNIVESITHI YA FREISTATA**

# Overview • Oorsig

## 1955 - 2005

# 50

years • jaar

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# Message from the Rector and Vice-Chancellor

## Die Rektor en Visekanselier aan die woord



Prof. F Fourie

In 2005 the Department of Quantity Surveying and Construction Management celebrated 50 years at the University of the Free State. Over the years the Department has excelled as a competent, well organised unit, serving several sectors of the industry. Staff members of the Department are well represented on committees in the international arena, which demonstrates the global scholarly image of the Department.

As deel van die Fakulteit Natuur- en Landbouwetenskappe lewer die Departement Bourekenkunde en Konstruksiebestuur 'n belangrike bydrae tot navorsing deur die publikasie van artikels en kongresbydraes nasionaal en internasionaal.

Die Departement is geakkrediteer deur nasionale en internasionale professionele rade. Die graadprogram in Bourekenkunde en Konstruksiebestuur aan die Universiteit van die Vrystaat is deur liggame wêreldwyd geakkrediteer onder andere deur *The Chartered Institute of Building* en die *Royal Institution of Chartered Surveyors*, wat daartoe bydra dat graduandi van hierdie Departement se kundigheid in die buiteland hoog geag word.

Die Universiteit wens die Departement Bourekenkunde en Konstruksiebestuur hartlik geluk met 50 jaar van uitnemendheid.

# Message from the Dean

## Boodskap van die Dekaan

Vyftig jaar gelde is daar met groot verwagting besluit om Bourekenkunde aan die Universiteit van die Vrystaat te vestig. Hierdie besluit het die Universiteit nooit beskaam nie en die resultate getuig van 'n volwasse departement wat die toekoms doelgerig tegemoet gaan.

Die akkreditasie wat aan die Departement toegestaan word getuig van die professionele karakter en die gehalte werk wat gelewer word.

The Department positioned itself as a force to be reckoned with on all the playing fields of the disciplines it serves. Over time it has also played a very important role in shaping the strategic focus of the Faculty.

The Faculty of Natural and Agricultural Sciences is proud to have this Department and knows that with a department like Quantity Surveying and Construction Management future challenges will be turned into opportunities for growth.

We congratulate the Department with its 50th anniversary and all the successes of the past. We know the future will be equally successful.



Prof. H van Schalkwyk



# Historical journey

## Historiese reis

In 1955 both the diploma and degree programmes in Quantity Surveying were introduced at the University of the Free State under the auspices of the Department of Architecture, which was established in the same year within the Faculty of Natural Science. The late Professor WH Malan was appointed senior lecturer and course leader of the Quantity Surveying section. In 1970 the programme in Quantity Surveying was separated from the Department of Architecture, and the Department of Quantity Surveying was established as an independent Department. In 1973 a programme in Building Administration was also introduced and the name of the Department changed accordingly to the Department of Quantity Surveying and Building Administration. In 1981 the title Building Administration was changed to Building Management to maintain national uniformity and in 1993 to Construction Management. The Department thus became known as the Department of Quantity Surveying and Construction Management.

As the programmes offered mainly have a scientific foundation, the Department forms part of the Faculty of Natural and Agricultural Sciences. Within the Faculty the Department enjoys full independent status and is represented on all Faculty

bodies. The Department also forms part of a programme grouping with Architecture and Town and Regional Planning. The grouping was formed to ensure continuous academic co-operation in the property fields of study, with regard to support, research, tuition and community services and faculty management participation. The grouping operates as the "Group for Physical and Planning Sciences." The number of students registered for Quantity Surveying and Building Sciences increased from 6 in 1955 to 469 in 2005.

The Department offers programmes to both undergraduate and postgraduate students. Residential (on campus) students can choose between Quantity Surveying, Construction Management or Land and Property Development Management. Distance learning students have a choice between Quantity Surveying, Construction Management or the certificate in Quantity Surveying Construction and Project Management. Honors in Quantity Surveying, Honors in Construction Management, Master of Land and Property Development Management (MLPM or MPROP) MSc(QS), MSc(CM) or PhD are offered to postgraduate students.

Die insette en harde werk deur verskeie persone het verseker dat die Departement belangrike bydraes tot die professie en nywerheid gelewer het. Dit het daartoe gelei dat akkreditasie aan

die Departement toegeken is deur Nasionale Rade naamlik: Die Suid-Afrikaanse Raad vir die Bourekenaars Professie (SARBRP), die Suid-Afrikaanse Raad vir die Projek- en Konstruksiebestuur Professie (SARPKBP), die Suid-Afrikaanse Raad vir die Waardeerders Professie (SARWP), asook drie internasionale liggame.

Die Departement geniet reeds sedert 1987 internasionale akkreditasie. Vandag praktiseer oudstudente van die Universiteit hoofsaaklik in Suid-Afrika, maar talle is ook werksaam in lande soos Engeland, Ierland, Dubai en die Midde-Ooste. Om die talle vertakkings van die bedryf te bedien, bestaan die personeellede uit persone met 'n diverse agtergrond van bourekenkunde, konstruksiebestuur, projekbestuur, siviele- en struktuuringenieurs. In 1993 begin die Departement die baie gewilde geakkrediteerde vakjoernaal, *Acta Structilia*, waarin verskeie nasionale en internasionale outeurs akademiese artikels van hoogstaande gehalte publiseer.

The Department is presently recognized as a leading academic department, especially as a result of the quality of its students who annually enter the construction industry as well as the input the Department has since its inception made in various fields, both inside and outside the different professions it serves.

# Programmes offered since 1955

## Programme wat sedert 1955 aangebied word

**P**rogramme curricula should be adaptable to provide for changing circumstances and needs that may arise in practice or the academic situation. For this reason curriculum planning is done continually and curriculum amendments are made every three years by the Department .

The Department is proud of the growth in programmes over the past 50 years. In 1955 the Department offered four programmes in total. Two programmes each for undergraduate and postgraduate students .

In 2005 bied die Departement reeds 14 programme aan. Voorgraadse studente het 'n keuse uit ses programme en studente kan uit 'n verdere agt nagraadse programme kies.

The Department finds itself in an environment characterized by rapid change, firstly with regard to teaching technology and secondly with regard to a shift in emphasis from traditional professional activities to pro-active and dynamic service delivery. The approval of curricula by outside professional institutions e.g. SACQSP and RICS are crucial for the future existence of the Department. It is vital for the continuous existence of the Department to produce students who can

serve a much larger market segment than in the past and to accommodate existing professions in the real estate business for which university studies are not available at present. Where a basic science module falls within the specialized field of study of a certain department at the University, that module should be offered by the department concerned.

All Applied Building Science modules are either offered by the Department itself or by related building sciences departments. As in the case of curricula, syllabuses are continually evaluated and adjusted where necessitated by changing needs. The Department exceptionally values the careful selection of learning matter and its policy is that while all learning material should cover the academic field of study in detail as contained in the module syllabus, it should be practically orientated as well.

Two-way communication is necessary for improving the learning process and students are thus encouraged to participate in class discussions, debates, presentations and individual discussions with lecturers and staff.

PROGRAMMES SPECIFIED	1955	2005
<b>UNDERGRADUATE</b>		
RESIDENTIAL		
Quantity Surveying	1	1
Building (Construction) Management	1	1
BLPM		1
OPEN (DISTANCE LEARNING )		
Quantity Surveying		1
Construction Management		1
Certificate QCP		1
<b>TOTAL</b>	2	6
<b>POSTGRADUATE (RESIDENTIAL AND OPEN (DISTANCE) LEARNING</b>		
Honours QS		2
Honours CM		2
MLPM (MPROP)		1
MSc(QS)	1	1
MSc(CM)		1
PhD	1	1
<b>TOTAL</b>	2	8
<b>TOTAL PROGRAMMES OFFERED</b>	4	14

## Degrees awarded

### Grade toegeken

Evaluation within the Department is done using the same system as generally employed by the University with regard to applicable regulations. Review of standards of teaching and education in general is managed by way of an external examination system, whereby external examiners are appointed for all subjects. For first and second years of study, examiners are generally appointed from within the University, while for all major subjects, as well as third and fourth year subjects, examiners are not members of the University but either prominent practitioners or academics from other institutions.

The function of the external examiner is to assess all grades for reasonableness, fairness in allocation, acceptability of standards and to make recommendations by way of formal reports. In all cases a sub-minimum of fifty per cent is required

in order to pass a module. Students must pass all the prescribed modules before the degree can be awarded. The Department is proud that since 1955 over 400 degrees were awarded to students who have completed programmes successfully in Quantity Surveying and Construction Management.

	1955	1970	1985	2005
Undergraduate	0	3	14	53
Postgraduate	0	0	0*	12
<b>Total</b>	0	3	14	65

\* Post graduate degrees were awarded but not in this year.



# MSc (QS), MSc (CM) MLPM (MPROP)- and PhD degrees

## MSc (QS), MSc (KB) MGEB (MPROP)- en PhD grade

**D**ie Departement bied sedert 1955 kursusse in nagraadse studies aan.

The purpose of the MSc and PhD in Construction Management is to obtain knowledge and understanding of specialized construction management principles by means of independent research.

Sedertdien is verskeie MSc (QS), MSc (KB) en PhD-grade aan studente toegeken. Die foto's op hierdie bladsy verwys na 'n paar van die studente wat hierdie grade behaal het.

Since 2001 the Department also offers a two year MLPM programme. This masters degree in Property Sciences is a

unique qualification in respect of property in South Africa because of the structure and context of the programme as it includes all major fields of property investment, value utilization and development not only for buildings but other entities such as property in urban, agricultural and regional context. Students applying for this programme must have practiced in related fields in the building and construction industry or market place. Over the two years, students develop an understanding of the impact and role of the different sciences that pertain to property and an ability to implement them in a practical manner.



2002 First group to receive the MPROP degree. Mr C du Plessis, Ms B Kotzé, Mr J Pletzer



2004 Third group to receive the MPROP degree. Messrs. S Ramabodu, D Prinsloo, R Ntai, M Tsoako



2003 Second group to receive the MPROP degree. Ms J van der Merwe, Messrs. W Smith, K Mofokeng





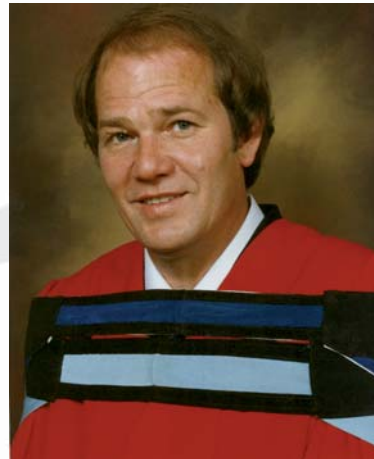
2002 W Smit PhD



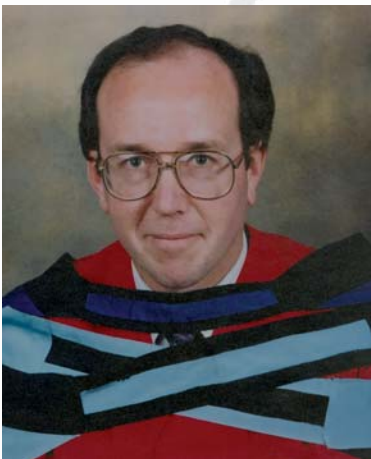
1995 P Viljoen MSc (QS)



1995 H Brönnner MSc (QS)



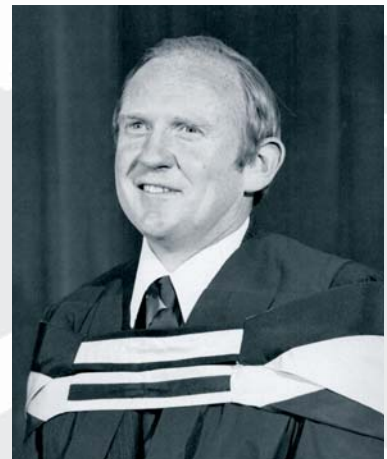
1993 C Brümmer PhD



1993 FT Preller PhD



1991 R Chinner MSc (QS) (Cum Laude)



1979 KD Page MSc (QS)

# Student intake over 50 years

## Studente-inname oor 50 jaar

In order to ensure that a consistent high academic standard is maintained, and that the student's broad interests and aptitudes meet the objectives of the Department, admission requirements are set.

All prospective students who wish to study at this Department are subject to selection, which takes place during the

year, with the last selections at the end of November each year.

Students are selected on the basis of the stated requirements only and there is no discrimination against any prospective student on the basis of colour, language, sex or any other non-merit considerations.

PROGRAMME	1955	1970	1985	1995	2005		
					Residential (full time students)	Open Learning (distance students)	Total 2005
BSc (QS)	6	20	80	69	171	59	230
BSc (QS) Hons			4		26	23	49
BGEB					10		10
BSc (CM)				30	61	9	70
BSc (CM) Hons					3	2	5
MPROP					35		35
MSc (QS) and MSc (CM)			1	3	3		3
PhD				1	4		4
QCP Certificate					63		63
<b>Total enrollments</b>	6	20	85	103	313	156	469
70% QS							
30% CM							

# Additional prizes awarded to students

## Addisionele pryse wat aan studente toegeken word

Die afgelope 50 jaar het studente van die Universiteit van die Vrystaat die volgende pryse ontvang:

**Die Vereniging van Suid-Afrikaanse Bourekenaars prys** vir die beste tweede-, derde-, en vierdejaar student;

**Die Bell John-prys** vir veelsydigheid;

**Die WH Malan-prys** vir beste student in Boukontraktereg 302;

**Die Hardus van Rensburg-PPS-prys** vir beste finalejaarstudent in BSc (QS) en beste finalejaarstudent in BSc (KB);

**Die David Haddon-prys** vir beste BSc (Arg) of BSc (QS) student in Beroepspraktyk;

**Die Royal Institute for Chartered Surveyors (RICS)-prys;**

**Die Grinaker-LTA-prys** vir beste student in BSc (KB);

**CIOB-SA-Studente-prys** BSc (Hon) vir algehele hoogste gemiddeld behaal;

**Dem Rouse-prys** vir beste student in Suid-Afrika in kursusse verwant aan Beroepspraktyk;

**Takprys in Eiendomsontwikkeling** vir beste student in eiendomsontwikkeling;

**Donald James Laing Memorial-prys** vir beste eerstejaar student in BSc (QS) in Suid-Afrika.

# Receivers of the ASAQS gold medal for outstanding BSc (QS) student

## Ontvangers van die VSABR goue medalje vir uitsonderlike BSc (QS) student

Die Vereniging van Suid-Afrikaanse Bourekenaars (VSABR) ken elke jaar 'n goue medalje toe aan 'n uitsonderlike student in Bourekenkunde in Suid-Afrika.

Die Departement is trots daarop dat hierdie toekenning reeds dertien keer deur studente aan die Universiteit van die Vrystaat verwerf is. Sewe van die dertien ontvangers is dames.



Prof. Basie Verster, Me. Marelize Nieuwoudt (ontvanger van die goue medalje vir uitstaande finalejaarstudent in Bourekenkunde in Suid-Afrika 1999), Prof. Gerhard van Wyk, Mnr. Basie Botha (vorige direkteur VSABR)



Prof. Basie Verster, Mnr. Wicus Jacobs (ontvanger van die goue medalje vir uitstaande finalejaarstudent in Bourekenkunde in Suid-Afrika 2003), Mnr Frank Berry

1970	N McM Duncan
1974	JT Syffert
1974	C Du Toit-Heunis
1984	L Ferreira
1989	MD Botha*
1991	A Mouton*

\* Ladies / Dames

1992	H Wolfaard *
1995	NM Ellis*
1996	LW Yuill
1997	H Verster*
1999	ME Nieuwoudt*
2003	JJ Jacobs
2005	HT Jordaan*

# Revolusionêre PPS-voordele

PPS Versekering het onlangs twee nuwe produkte aan professionele beroepslui bekend gestel:

- Die Professionele Gesondheidsbeskermer, 'n belastingvrye enkelbedragvoordeel volgens die ernsvlak van 'n gevreesde siekte en/of fisieke ongeskiktheid met dekkingsbeskerming, is 'n unieke kenmerk in die bedryf!
- Die Beroepspesifieke Byvoordeel bied 'n maandelikse ongeskiktheidsvoordeel vir 'n spesifieke genomineerde beroep, wat die ongeskiktheidsbeskermingsplan van enige professionele beroepspersoon nou volledig maak.

Skakel my gerus vir meer besonderhede indien u meer inligting oor hierdie unieke voordele verlang.



**Hardus Jansen van Rensburg**

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082 459 6890

hardus@ofa.bz



Gemagtig om PPS Versekering-  
produkte te verkoop

Sanlam C10162MS0429BPA



GELISENIEERDE VERSKAFFER VAN FINANSIËLE DIENSTE



# Community involvement

## Gemeenskapsbetrokkenheid

### Centre for construction entrepreneurs (CCE)

#### Sentrum vir konstruksie-entrepreneurs (SKE)

Since 1987 the Department, along with the CCE after 1994, endeavoured to share knowledge and expertise with disadvantaged communities by way of training programmes aimed at enhancing the managerial skills of the small building contractor and entrepreneur. More than 500 entrepreneurs have already benefitted from these programmes. The Centre not only provides training but also sustains a support system for trainees and ex-trainees. This support is offered in the form of personal advice. In consultation with, and supported by the ASAQS, a distance learning and training course in Quantity Surveying, Construction- and Project Management was implemented in 1998. This programme

(QCP), aimed at individuals involved in building construction and property development, is being designed under the guidance of the Department of Quantity Surveying and Construction Management at the University of the Free State. It is accredited by the following national and international professional institutions:

- Association of South African Quantity Surveyors (ASAQS);
- South African Council for the Quantity Surveying Profession (SACQSP);
- South African Institute of Building (SAIB);
- Namibian Institute of Quantity Surveyors.

## 1992 Bouaannemersontwikkelingsprogram Vlak 1 en 2 met BBOS



Voor: Mnr. NJ du Plessis, R Chinner, M Border, Prof. JJP Verster, R Schoombie, H v Vuuren, F Berry, J Goosen Middel: TP Mokhethi, J Motsoari, L Gasa, H Masiu, I Khumalo, J Mathipe, A Nkomo, L Midikhetla, D Khumalo Agter: S Nogwanya, J Chakalane, T Mohokare, R Khadienyane, S Nchai, M Nzaka, S Manase, E Gaba, S Sootho, I Nthoba, J Matlale, J Martina

## 1994 Bouaannemersontwikkelingsprogram prysweners



Mnr. HJ van Vuuren (Hoof), H Derrison (Beste student vlak 2), J Loape (Beste student vlak 1), F Khalata (Beste student vlak 3)

## 1996 Bouaannemersontwikkelingsprogram Vlak 1



Voor: Mee. G Khumisi, G Molaoa, Mnr. BJ Swart, Prof. JJP Verster, Mnr. HJ van Vuuren, Mee. D Kgomom, Nkoane Middel: Mnr. J Dibeco, Me. M Mkhumisi, Mnr. P Phopha, J Marumo, M Mlinda, G Nkoane, B Molefe, G Mogosi Agter: Mnr. M Jameson, K Mholo, J Makgetla, J Logalo, M Rasenkane, M Mokhonoane, G Manazi

## 1997 Bouaannemersontwikkelingsprogram Vlak 1



Voor: Mnr. H Kok(dosent), Me. S Charles, Mnr. HJ van Vuuren (Hoof), Mee. P Kotso, C Khotso Agter: Mee. N Shibane (personeel), A Esterhuysen (personeel), Mnr. J Nkonzombi, I Khokho, GP Lekgetho, ST Charles, PR Khotso, A Kraalshoek, T Ramosue

# Mentorship programme

## Mentorskapprogram

The Department offers a service to emerging construction contractors and other stakeholders through the Construction Mentor Accreditation Programme. Emerging construction contractor training providers, banks, government on all three levels, professionals in the construction industry and other development agencies have all identified that emerging construction contractors require assistance to develop their construction enterprises into sustainable businesses. Soon after 1994 it became clear that the awarding of construction contracts, provision of training programmes and finances did not add up to sustainable contractors. There were simply not adequate numbers who were self-sufficient after their training if they did not have trusted advisors/mentors.

The question at hand was what intervention would provide suitable persons to provide assistance as mentors for emerging contractors? In response to this the accreditation programme being offered by the University of the Free State has been established. The body of knowledge required to be a mentor was compiled and a suitable examination and psychometric test battery (aptitude identification) set up. This is available to interested parties nationally. Candidates wishing to provide a mentoring service are mainly from the ranks of professional

quantity surveyors, civil engineers and experienced business people. Many client bodies have used this programme to identify mentors for construction contractors, in some instances using adaptations for their own programmes. The principle of mentor based development programmes are now a standard component in emerging contractors, and even other forms of development, in the construction industry. The highly acclaimed Expanded Public Works Programme (EPWP), being rolled out nationally at present, has adopted the principle of mentoring emerging contractors within the EPWP. Staff of the University of the Free State is currently involved, in conjunction with the CSIR and other consultants at the cutting edge with the development and implementation of a Construction Education and Training Authority (CETA) mentor based pilot programme, that covers the entire Eastern Cape Province. This Integrated Emerging Contractor Development Model (IECDM) is founded on the corner stones of integrated management and continuous total quality management. All the mentors who are providing mentor services on this programme are accredited by the University of the Free State. This programme is also the empirical research base of a PhD student in Construction Management at the university.



# Short programmes/courses and continuous education

## Kort programme/kursusse en deurlopende onderwys

Die Departement het as bykomende gemeenskapsaksies verskillende geregistreerde kort programme en kursusse ontwikkel. Sedert 1987 bied die Departement verskeie praktiese kursusse vir klein bouaannemers en entrepreneurs aan, asook kort kursusse vir professionele liggame in Bloemfontein, Kimberley, Welkom, Potchefstroom en omgewing.

Sedert 2001 bied die Departement die volgende kort kursusse in Gauteng aan:

- Facilities management with South African Property Owners Association (SAPOA) in Johannesburg and Pretoria;
- Intensive project management programme with South African Property Owners Association (SAPOA);

- Health and safety programme with Gauteng Masters Builders Association (GMBA).

Tans werk die Departement aan die volgende twee korrespondensiekursusse (met werksinkels), wat elk oor 'n jaar sal strek:

- Construction Safety Officer Certificate;
- Facilities Management Certificate.

Gedurende 2005 het die Departement elf rekenaargebaseerdeleer modules vir die Vereniging van Suid-Afrikaanse Bourekenaars ontwikkel vir die baie belangrike *Go-learning*-program vir voortgesette ontwikkeling van praktiserende bourekenaars.



**HENDRIK VAN VUUREN**

Boukontrakteur • Building contractor

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# Joint research projects

## Gesamentlike navorsingsprojekte

The Department is one of 14 international research partners which run a joint research project with the Wirtshafts Universität in Austria: Maturity in Project Orientation. Professor Roland Gareis of the Wirtshafts Universität, Austria, visited the Department to present a prestige lecture, International trends in Project Management, and also

to strengthen this international research relationship with the Department of Quantity Surveying and Construction Management, University of the Free State.

A joint research project with the Royal Institution of Chartered Surveyors on procurement systems was also conducted in 2004.

INSTITUTION	COUNTRY	TITLE OF RESEARCH PROJECT
Royal Institute of Chartered Surveyors (RICS)	UK	Measurement Based Procurement of Buildings
Bureau for Economic Research, University of Stellenbosch	RSA	Evaluation of the item weights and relevance of the BER Building Cost Index
Construction Industry Development Board (CIDB) Research	RSA	Data research on all Postgraduate research done in the built-environment at academic departments South Africa
Association of South African Quantity Surveyors (ASAQS)	RSA	Go-Learning programme (11 modules)



Prof. Dries Hauptfleisch, Herman van Schalkwyk (Dean of the Faculty of Natural and Agricultural Sciences), Roland Gareis (Wirtshafts Universität, Austria), Ms. Benita Kotzé, Prof. Basie Verster

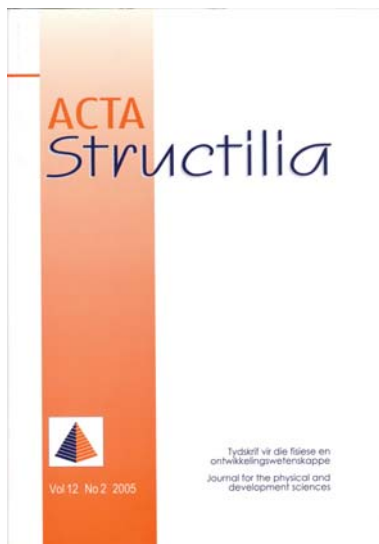
# Publications by the Department

## Publikasies wat deur die Departement uitgegee word

**A**cta Structilia originated in 1993 when a need was identified for a scientific journal in the physical and development sciences. In 2003, the journal received accreditation from the South African Department of Education.

This externally refereed journal is published jointly by the Departments of Quantity Surveying and Construction Management, Architecture and Urban and Regional Planning.

Quality improvements include: firmer adjudication procedures, international expert representation on the editorial board and an increase of adjudicators from two to four per article. The journal is published bi-annually. When necessary, special editions are published from time to time.



**B**ouvaria het in 1984 ontstaan, nadat 'n behoefte onder studente en personeel om 'n departementele nuusblad uit te gee, geïdentifiseer is. Bouvaria is 'n nuusblad vir studente in die Departement Bourekenkunde en Konstruksiebestuur, Universiteit van die Vrystaat.

In hierdie nuusblad word die skripsie-artikels van finalejaarstudente, foto's van gebeure deur die jaar, asook toekennings aan studente, gepubliseer.

Die industrie kry geleentheid om advertensies in die nuusblad te plaas. Die voorblad word gebruik om foto's en berigte oor bouprojekte in Bloemfontein en omgewing te plaas.

Hierdie studentenuusblad verskyn jaarliks in Maart en word aan bourekenaars in die Vrystaat en Noord Kaap versprei.



## CIDB data base

### CIDB-databasis

**D**ie Departement is deur die *Construction Industry Development Board* (CIDB) aangestel om 'n navorsingsdatabasis vir die konstruksiebedryf in Suid-Afrika saam te stel en te onderhou. Die hoofdoel van die databasis is om alle voltooide en in-proses nagraadse navorsing in Bourekenkunde en Konstruksie aan die plaaslike en internasionale akademiese- en navorsingsge-

meenskappe in 'n maklik vertolkbare en gekategoriseerde formaat beskikbaar te stel. Die Departement hou reeds die afgelope drie jaar die databasis op datum, en lewer formeel 'n lesing daarvoor tydens die jaarlikse CIDB *Postgraduate Student Conference* in Suid-Afrika. Die databasis is ook elektronies toeganklik via die CIDB webblad.

# Research output

## Navorsingsuitsette

**R**esearch is an essential requirement to gain new knowledge in a scientific manner, to develop new scientific insight into subject matter, to develop and expand existing knowledge and insight, and to act as a stimulus in the pursuit of academic excellence. The Department encourages and supports staff to participate, nationally and internationally in congresses and conferences.

This participation includes the presentation of research papers, publication of conference papers as well as attendance of such events. Since 1982 the Department participated in

conferences, congresses, workshops and seminars in several international countries including Australia, Canada, Ghana, Iceland, Spain, England, Austria and cities including Calgary, Accra, Melbourne, Bilbao, London, Rijkjavik, Rotterdam, Vienna and Ljubljana. The Department also participated in many congresses and conferences on national level.

Staff of the Department present their research outputs by means of articles published in accredited journals. Twenty eight articles were published over the past ten years in various accredited journals.



Staff members of the department delivered papers on the 13th of October 2005, Bloemfontein. Ms Benita Kotzé deliver a speech on: *The built environment in Southern Africa - the influence of diversity and culture on conservation*. Mr Stephen Ramabodu presented a detail presentation with the title: *A project mangement approach to housing and infrastructure development in South Africa*. Dr. Lochner Marais, Dr. Malene Campbell, Ms Benita Kotzé, Mr Stephen Ramabodu



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# Staff

## Personeel

# Heads of departments

## Departementshoofde

**D**ie Departement was sedert sy ontstaan in 1955 deel van die Departement Argitektuur. In 1970 het die behoefte ontstaan om Argitektuur en Bourekenkunde te skei en die Departement het gevolglik op sy eie begin funksioneer. Prof. WH Malan was die eerste departementshoof en het baanbrekerswerk vir die boubedryf in die Vrystaat en vir die profesie in Suid-Afrika gedoen. In 1981 is hy deur Prof. Basie Verster opgevolg. Prof. Verster dien op verskeie internasionale en nasionale professionele liggame en is tans die voorsitter van die *International Cost Engineering Council (ICEC)*. Onder sy leiding het personeel van die Departement die geakkrediteerde tydskrif *Acta Structilia* ontwikkel en ook verskeie navorsingsartikels geskryf, nuwe programme saamgestel en talle bydraes by nasionale en internasionale kongresse gelewer.

1955 - 1980



Prof. WH Malan 1955 - 1969 (course leader), 1970 - 1980 (Head of Department)

1981 - current



Prof. JJP Verster 1981 - current (Head of Department)

## Staff

### Personeel

In 1955 het die Departement met een voltijdse dosent en deeltijdse hulp begin om klasse aan te bied. Die personeel het van vier voltijdse dosente in 1981 tot sewe in 2005 toegeneem. Die Departement word ook bygestaan deur nege deeltijdse dosente wat al die afgelope tien jaar by die Departement betrokke is. Die ondersteuningspersoneel het van een in 1982 tot agt in 2005 toegeneem. In 2005 bied die Departement se personeel 14 programme, en 72 vakke aan meer as 400 studente in beide residensiële en oopleerprogramme. Alhoewel die personeel onder baie druk hulle werk doen, word uitstekende resultate in navorsing en gemeenskapsdiens behaal.

Staff held the following national and international positions: Chairman of the International Cost Engineering Council (ICEC); Senior Vice Chairman (ICEC); Director for Africa (ICEC); Member of the General Assembly of the Association of Quantity Surveyors Africa; Representative for South Africa at the Pacific Association of Quantity Surveyors (Hong Kong); Member of the ASAQS and



Personeel 1992 Agter: Mnre. FH Berry, CWA Murdoch, BJ Swart, M Border, Prof. JJP Verster Voor: Mnr. R Chinner, Mee. BC Wolmarans, MR Kruger, MCC Strydom, Mnr. HJ van Vuuren

RICS committee; President of the ASAQS; Vice President of the ASAQS; Chairman of Alliance for Construction Professionals in South Africa; Council members of the SACQSP; Fellow of the CIOB in Ascot England; Chairman of the central region of the Association of Arbitrators and Chairman of the Free State and Northern chapter of

the ASAQS. Prof. Dries Hauptfleisch received the 1989 Building Man of the Year award, South African Institute of Building, Northern Transvaal Branch; medal of Honour by the South African Academy for Science and Art in 1999 and the Peter Bentley Scholarship by the University of British Columbia, Vancouver, Canada in 2001.

# National and International staff involvement

## Nasionale en Internasionale personeelbetrokkenheid

**Members of the Department are actively involved in the industry through various committees:**

- Committees for Quantity Surveying, Construction Management and Engineering (local, national and international) - chapter, councils and associations;
- Chartered Institute of Building - South Africa (CIOB);
- International Cost Engineering Council (ICEC) Worldwide;
- Royal Institution of Chartered Surveyors (RICS) United Kingdom.

**The Department has accreditation from the following professional bodies:**

National:

- South African Council for the Quantity Surveying Profession (SACQSP);

- The Association of South African Quantity Surveyors (financial) (ASAQS);
- The South African Council for the Project and Construction Management Professions (SACPCMP);
- Chartered Institute of Building - South Africa (SACIOB);
- SA Council for the Property Valuers Profession.

International:

- International Cost Engineering Council (ICEC) Worldwide through ASAQS/SACQSP;
- Royal Institution of Chartered Surveyors (RICS) United Kingdom;
- Chartered Institute of Building (CIOB) UK.



*Personeel 2005 Agter: Mee. E van der Walt, M-L Roux, E van Vuuren, E Coertzen, E Scholtz, A Beukes, J Kruger, S Olivier Voor: Mnre. M Lerotholi B Swart, H van Vuuren, Prof. Verster, Mnr. F Berry, Dr. H Marx, Mee. B Kotzé, A Esterhuysen Inlas: Prof. D Hauptfleisch, Mnre. C Lups, G van Rooyen, H Kriel, G Venter*



# Contribution to marketing

## Bydrae tot bemarking

Die Departement is betrokke by verskeie bemarkings-aktiwiteite soos ope dae by skole in die Vrystaat en Noord-Kaap. 'n Uitstalling word jaarliks in die Callie Human-sentrum op die kampus gehou wat deur die publiek besoek kan word.

Elke geleentheid waar bemarking kan plaasvind, word benut. Gebeure word onder andere in plaaslike inligtings-blaaie soos *Informa* en *Bult* geadverteer. Advertensies oor wat

die Departement aan studente bied word in toonaangewende koerante geplaas. Glansbrosjures stel die verskeie kursusse wat deur die Departement aangebied word op 'n professionele manier aan voornemende studente bekend.

Groot kleurvolle advertensieborde verskaf inligting oor die werksaamhede, kursusse en algemene inligting van die Departement. Hierdie advertensiemateriaal word tydens die bemarkingsaksies van die Departement gebruik.



'n Bemarkingsdag is gehou waar skoolleerlinge en onderwysers in die Vrystaat en Noord Kaap ingelig is oor wat Bourekenkunde en Konstruksiebestuur behels. Die bemarkingsafdeling van die Universiteit van die Vrystaat was ook genooi en was deel van die groep wat terreinbesoeke gedoen het om meer te wete te kom van die praktiese deel van die vakrigting. Agter: Me. Tuni Thabane, Mnr. Gerhard van Rhyn, Dries van der Wal, Skolier, Prof. Dries Hauptfleisch, Mnr. Pieter Kotzé Voor: Mee. Leonie Bolleurs, Benita Kotzé, Prof. Basie Verster



Die Departement het 'n bemarkingsdag vir al die beroepe soos bourekenaars, konstruksiebesighede en die boubedryf in die algemeen aangebied om die Departement se verskillende kursusse bekend te stel. Agter: Mnr. Steenkamp, Naborn, Butler, Kachelhoffer, Coetzee, Border, Prof. Hauptfleisch Voor: Mnr. Butler, Porter, van Vuuren, Lerotholi, Me. Kotzé, Mnr. Venter, Fletcher, Prof. Verster

# Association of South African Quantity Surveyors (ASAQS)

## Vereniging van Suid-Afrikaanse Bourekenaars (VSABR)

Die president en visiepresident van die Vereniging van Suid-Afrikaanse Bourekenaars (VSABR) besoek jaarliks die Departement en gesels onder andere met studente en personeel. Die verbintenis is oor die afgelope 15 jaar versterk met die VSABR se finansiële

ondersteuning aan die Departement om die oopleerprogram in Bourekenkunde te ontwikkel en te implementeer. Prof. Verster was die president van die VSABR in 1997-1998 en is steeds op die bestuur van die Vereniging. Die Vereniging stel ook verskeie pryse aan studente beskikbaar.



Mnre. Stephen Ramabodu, Igon Wartman (Direkteur van die VSABR), Patrick Waterson (Vise-president van die VSABR 2004-2005), Me. Benita Kotzé, Mnr. Pieter Kotzé (Voorsitter Vrystaattak van die Vereniging van Bourekenaars)



Mnre. Igon Wartman (Direkteur van die VSABR), Pieter Kotzé (Voorsitter Vrystaattak van die Vereniging van Bourekenaars), Osman Naker (President van die VSABR 2003-2004), Prof. Basie Verster (Raadsvertegenwoordiger Vrystaattak van die Vereniging van Bourekenaars)



Mnr. Mark Grant (President van die VSABR 2001-2003) en Me. Wendy Grant besoek die Departement. Mnr. Stephan Ramabodu (student), Me. Wendy Grant, Mnr. Mark Grant en Mnr. Conna Lups (lektor)



Mnr. Pieter Kotzé, Prof. JJP Verster, Mnre. Mark Grant en Louis Botes. Mnr. Mark Grant (President van die VSABR 2001-2003) besoek die Departement.



Mnre. Hendrik van Vuuren, Stephan Ramabodu, Lindile Mteza (President van die VSABR 2004-2005), Prof. JJP Verster en Me. Benita Kotzé



Mnre. Sakkie Theron, Pieter Kotzé, Stephan Ramabodu, Igon Wartman en Lindile Mteza (President van die VSABR 2004-2005)

# Academic tours

## Akademiese toere

Die Departement neem studente gereeld op akademiese toere. Sedert 1992 het die Departement gereeld die Lesotho Hoogland Waterskema besoek. Studente is deur die ontwikkelaars en rolspelers in die projek op 'n toer deur die damwal geneem. In 1998 het die finalejaarstudente 'n akademiese toer na Kaapstad onderneem en onder andere die Century City besoek. Studente van die Departement was in 1996 bevoorreg om na Engeland en Europa te toer.

Studente besoek onder andere Nederland, Duitsland, Italië, Switserland, Frankryk en London. Die hoofdoel van die besoek was om “the ancient, the old and the new” van geboue en konstruksie te besigtig. Studente in hulle derde en vierde jaar aan die Departement, het in 2004 die *International Cost Engineering Council* wêreldkongres in Kaapstad bygewoon. Hierdie suksesvolle kongres was deur die Vereniging van Suid-Afrikaanse Bourekenaars gereël.



1998 Finalejaarstudente onderneem akademiese toer na Kaapstad



1996 Finalejaarstudente toer na Europa Me. L Berry, Mnr. F Berry, Me. H Verster, Mnr. van Wyk, Yuil, Smit, Faber, Nel

# Annual sport day

## Jaarlikse sportdag

**D**ie Departement hou elke jaar 'n sportdag wat deur almal geniet word. Tydens die sportdag neem studente teen dosente deel in verskeie sportsoorte. Die 2002 sportdag was soos gewoonlik 'n groot sukses en

deelnemers in verskeie sportsoorte het presteer. Die dosente en finalejaarstudente het saamgespeel teen die res van die studente en as oorwinnaars in die krieket en netbal uit die stryd getree.



Agter: Mnr. S Ramabodu, Mee. Liebenberg, N Mpeli Voor: Mee. A Esterhuizen, M-L Roux, E Van der Walt, E Coertzen



Agter: Mnr. S Ramabodu, Me. Liebenberg, Mnre. H Botha, W Luüs, W Olivier, Voor: Mnre. W Barnes, W Schoeman, H van Vuuren, BJ Swart

# Participation in social events

## Deelname op sosiale gebied

**T**he Department participates in social events organized on campus. Staff of the Department participated in the Kowsie Cultural day by means of a fancy dress on the old English country style-theme. They attended a tea party wearing clothes according to the theme (photo to the right).



Mr BJ Swart, Messrs. E Coertzen, A Esterhuizen, Prof. JJP Verster, Ms M-L Roux, student, Ms E van der Walt

# The Department and the International Cost Engineering Council (ICEC)

## Die Departement en die International Cost Engineering Council (ICEC)

**D**ie president en vorige presidente van die Vereniging van Suid-Afrikaanse Bourekenaars het die vierde Wêreldkongres van die *International Cost Engineering Council* (ICEC) bygewoon. Prof. Verster is vir 'n tweejaar termyn (2004-2006) as voorsitter van die ICEC aangewys.

Sy verantwoordelikhede as voorsitter behels onder meer om leiding aan die liggaam te verskaf ten opsigte van die invloed van die professies in die verskillende lede lande. Die wêreld is ingedeel in vier hoofstreke: Amerikas, Europese lande, Afrika en die Oosterse lande.



Die president en vorige presidente van die VSABR tydens die ICEC kongres waartydens Prof. Verster as voorsitter vir 2004-2006 aangewys is. Agter: Mnr. Des Linder, Prof. Basie Verster, Mnr. Corné de Leeuw Voor: Mnre. Mark Grant, Lindile Mteza, Len Harris, Osman Naker



# Students

## Studente

### Final year students and staff

#### Finalejaarstudente en personeel

**D**ie verhouding tussen studente en personeel van die Departement het die afgelope 50 jaar ontwikkel en gegroei tot 'n informele dog professionele samewerkingsverhouding en personeel streef tans daarna om goeie interpersoonlike verhoudinge en oop kommunikasiekanale met 'n akademiese atmosfeer te handhaaf. Die Departement stel belang in die vordering van oudstudente in die beroep en is trots op die prestasies wat deur hierdie studente behaal is en steeds behaal word.

# 1970

## 1973 Finalejaar Bou-administrasie



Voor: Mnr. TEJ Hoffmann, Prof. WH Malan, Mnr. BR Buys Agter: Mnre. SJF Stapelberg, LAS Liebenberg

# 1980

## 1982 Finalejaar Bourekenkunde



Voor: Mnr. N du Plessis, JJP Verster, Prof. WH Malan, Mnr. TEJ Hoffmann en M Border Agter: Mnr. A Prinsloo, B van Rensburg, H Gericke, J de Witt, P Greyling, D Potgieter, C Koen, G van Baalen

## 1984 Finalejaar Bourekenkunde



Voor: Mnr. F Berry, Me. Van Jaarsveld, Prof. JJP Verster, Mnr. TEJ Hoffmann, Me. M Viljoen, Mnr. M Border, N du Plessis Middel: Mnr. E Badenhorst, F Oosthuizen, W Malan, G Coetzee, P van Aswegen Agter: Mnr. W Steyn, L Ferreira, G Ingram, F Relling

## 1985 Finalejaar Boubestuur



Voor: Prof. JJP Verster, Mnr. R Carou, TEJ Hoffmann Agter: Mnr. B Neethling, H van der Merwe, A Hayes



## 1985 Finalejaar Bourekenkunde



Voor: Me. BC Wolmarans, Mnre. EE Hattingh, FH Berry, TEJ Hoffmann, Prof. JJP Verster, Mnre. NJ du Plessis, M Border, HJ van Vuuren Middel: Mnre. W van Rhyn, PJ O'Shaughnessy, HL van der Merwe, JG Fourie, WF Bothma, R Carou, JC de Jonge, JAC Viljoen, JH Potgieter, JH Bezuidenhout, R du Preez Agter: Mnre. DSJ Dreyer, PC van Niekerk, AP van Leeuwen, JA Beukes, GJ Major, G Mathews, PJ den Hartog, A Terblanche, H Kuschke

## 1986 Finalejaar Boukunde



Voor: Mnre. HJ van Vuuren, M Border, TEJ Hoffmann, Prof. JJP Verster, Mnre. NJ du Plessis, FH Berry, Me. BC Wolmarans Middel: Mnre. EL de Villiers, CJ Maritz, BPF Stassen PD Botha, S Stapelberg, SJ Cronjé, JP Marz, JF Potgieter Agter: Mnre. KN Huysamen, WS Roeloffze, LG Fouie, MJ Wessels, PH du Plessis, JD van Dyk, GS Botha, HT Pienaar, G de Jager

# 1980

## 1987 Finalejaar Bourekenkunde en Boubestuur



Voor: Mnre. HJ van Vuuren, M Border, TEJ Hoffmann, Prof. JJP Verster, Mnre. NJ du Plessis, FH Berry, Me. BC Wolmarans Middel: Me. M Willemse, Mnre. P Strauss, C Wepener, F Bekker, M Pretorius, F Smuts, Me. D Hoffman Agter: Mnre. P du Bruyn L Butler, F van der Walt, H van Aardt, D Weideman, B Thiart, H du Plessis

## 1988 Finalejaar Boukunde



Voor: Mnre. M Nel, HJ van Vuuren, FH Berry TEJ Hoffmann, Prof. JJP Verster, Mnre. M Border, NJ du Plessis, Me. BC Wolmarans, Mnr. R Chinner Middel: Me. YA Hatting, Mnre. J van Wyk JW Sonnekus, AJ Schoeman, SN Oosthuizen, SJ Kelbrick, DCJ Moolman, CPG de Wet, P Vorster, Me. L van Antwerpen Agter: Mnre. J Meyer, AR McLachlan, D Steyn, CR Marais, MJ Fox, HC Barnard, JWJ Wagenaar, GS Coetzee, JFN Ferreira

## 1988 Finalejaar Boubestuur



Voor: Prof. JJP Verster, Mnr. TEJ Hoffman Agter: Mnre. JW Sonnekus, J van Wyk, CPG de Wet, AR McLachlan

## 1989 Finalejaar Bourekenkunde en Boubestuur



Voor: Mnre. W Steyn, HJ van Vuuren, NJ du Plessis, TEJ Hoffman, Prof. JJP Verster, Mnre. M Border, FH Berry, Me. BC Womarans, Mnr. R Chinner Middel: Me. MD Botha, Mnre. CJ Rautenbach, C Potgieter, MJ Coetzer, H Turner, RF du Plessis, BP Malherbe, Me. L Hugo Agter: Mnre. HJ Grobler, PD Kotze, T v R Hay, AH de Beer, PC de Witt, B van der Merwe, MPJ van Aswegen, PHA van Antwerpen



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# 1990

## 1990 Finalejaar Bourekenkunde en Boubestuur



Voor: Mnre. L Ferreira, R Chinner, NJ du Plessis, M Border, Prof. JJP Verster, Mnre. FH Berry, JH van Vuuren, W Steyn Me. E Engelbrecht Agter: Mnre. R Caron, C Barnard, I Sutherland, D Steyn, Mee. H van Rouendal, E Deetlefs, B Fraser, L Slabbert, L Fourie, Mnre. CF Huysamen, D van Heerden, H Jacobs

## 1991 Finalejaar Bourekenkunde en Boubestuur



Voor: Mnre. L Ferreira, R Chinner, NJ du Plessis, M Border, Prof. JJP Verster, Mnre. FH Berry, HJ van Vuuren, CW Murdock Middel: Me. M Strydom, Mnre. D Peach, PH Viljoen, IT de Villiers, Mee. MR Kruger, S Hunt, A Bouton, A Scholtz, Mnre. J de Lange, R Marais, JS Grove, Me. BC Wolmarans Agter: Mnre. HC Lampbrecht, CJ Lups, M Groenewald, AC Greyling, JB van der Linde, H Brönnner, MA du Preez, JG Maritz, HJ Nel, JA van Wyk

## 1992 Finalejaar Bourekenkunde en Boubestuur



Voor: Me. BC Wolmarans, Mnre. BJ Swart, HJ van Vuuren, M Border, Prof. JJP Verster, Mnre. FH Berry, R Chinner, Me. MC Strydom Middel: Mnre. GJ van Rooyen, JL Uys, Mee. H Wolfaard, K Schutte, Mnre. HL Diedericks, AF Viljoen, S Janse van Rensburg, Mee. T Wagenaar, MR Kruger, Mnre. A van Schalkwyk, J Laurie Agter: Me. RD Nel, Mnre. B van Zyl, PW van Rouendal, JC Louw, JA Louw, AJ Maree, TE van Niekerk, HS Lemmer, Me. CM le Roux

## 1993 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Me. M Strydom, Mnre. BJ Swart, HJ van Vuuren, M Border, Prof. JJP Verster, Mnre. FH Berry, NJ du Plessis, R Chinner, JAJ de Beer Middel: Me. E du Preez, Mnre. HJ Rothman, NS Thompson, DJ Fourie, HP van Niekerk, Me. KC Hattingh, Mnre. JBC Gouws, MA du Preez, HJ Kriel, H Boshoff, Mee. A Esterhuyse, T du Pisani Agter: Mnre. HG Fourie, WAJ van Niekerk, PJ Terblans, SW Coetzee, HB Malherbe, GMQ Botes, FC Bossert, CP Duminy, DH Prinsloo, AH de Beer, GR Ferreira

## 1994 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Me. A Esterhuyse, Mnre. JAJ de Beer, BJ Swart, HJ van Vuuren, M Border, Prof. JJP Verster, Mnre. FH Berry, R Chinner, MEM Strydom, E du Preez Middel: Mee. DY Shibane, E Greyling, T du Pisani, Mnre. PJJ Pienaar, AG van Reenen, WT Bekker, W Joubert, DH Prinsloo, AS van Wyk, JG Cornelissen, DL Taljaard, Mee. D Badenhorst, S Prinsloo, JHC Howard, M du Plessis, OA Botha Agter: Mnre. P de Wet, PP Grobler, DL Leonhardt, J van Rooyen, FA Marais, AW Dreyer, PD Weilbach, MLJ Botha, WF Fourie, AG Coetsee, AB van Rooyen, RG Diedericks, JW Louw, ME Lecuona, F Jankowitz, DM van Rooyen

## 1995 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Mnre. NJ du Plessis, BJ Swart, HJ van Vuuren, M Border, Prof. JJP Verster, Mnre. FH Berry, R Chinner, JAJ de Beer, Me. M Strydom Middel: Mee. E du Preez, A Esterhuyse, Mnre. AER Uys, R Pretorius, M van Huyssteen, FP Terblanche, HJ du Toit, CB Thompson, Mee. M du Plessis, Y Shibane Agter: Mnre. PJ Pope, M Venter, CM Kachelhoffer, NM Ellis, EA Klopper, PP Briers, J Harmse, J Peyper

# 1990

## 1996 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Me. E du Preez, Mnre. JL Uys, F Berry, Prof. JJP Verster, Mnre. NJ du Plessis, BJ Swart, A de Beer Middel: Mee. N Shibane, EMJ van der Walt, Mnre. C Nel, PJ Pope, NC van Wyk, E Geldenhuys, Mee. R Mouton, A Esterhuyse Agter: Mee. C du Bruyn, G Greyling, E Greyling, Mnre. R Delpont, B Lourens, D Vermeulen, N du Pisani, L Yuill, J Ferreira

## 1997 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Dr. JH Marx, Mnre. BJ Swart, NJ du Plessis, M Border, Prof. JJP Verster, Mnre. FH Berry, HJ van Vuuren, JL Uys Middel: Mee. EMJ van der Walt, E Scholtz, Mnr. HW Kok, Mee. H Verster, A Esterhuyse, Mnr. GJ van Rooyen, Mee. NJ Marais, N Shibane Agter: Mnre. SPJ Marx, S vd Westhuizen, MH Mellet, MJ Bekker, JP Venter, WF Hertzog, PK Hoogendyk, J Faber, HP Bruwer, WS Smit, F Botha

## 1998 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Dr. Marx, Mnre. A de Beer, HJ van Vuuren, M Border, Prof. JJP Verster, Mnre. FH Berry, BJ Swart, HW Kok, CJ Lups Tweede ry: Mee. NJ Marais, A Esterhuyse, ME Scholtz, Mnr. LH van Wyk, Mee. I de Clerk, E Hugo, JC Jonas, EMJ van der Walt, M-L Roux, Mnr. H Heyns Derde ry: Me. H Potgieter, Mnre. WC du Preez, PJ Brink, AJ Stander, Me. T Dry, Mnr. BI Rawlinson, Me. DC Bierman, Vierde ry: Mnre. RB Prior, SS Marais, Me. Lategan, Mnre. E Cloete, AP Oosthuizen

## 1999 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Mnre. A de Beer, HW Kok, HJ van Vuuren, Prof. JJP Verster, Mnr. FH Berry, Dr. HJ Marx, Mnr. CJ Lups, Me. A Esterhuyse Middel: Mee. EMJ van der Walt, N Greef, Mnre. A Kotzé, JS Le Riche, JH Viljoen, J Groenewald, JG Koekmoer, PA Albertyn, JT Prinsloo, GJ van Rooyen, MP Oberholzer, Mee. ME Nieuwoudt, M-L Roux, N Shibane Agter: Me. L Oberholster, Mnre. VR Olivier, PC Potgieter, DS du Toit, BJP Swart, HJ van Zyl, W Strachan, CD Bredenkamp, J Borman, LJ Messerschmidt, FJ Bossert, G van Dyk, Me. ME Scholtz

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#### Contact

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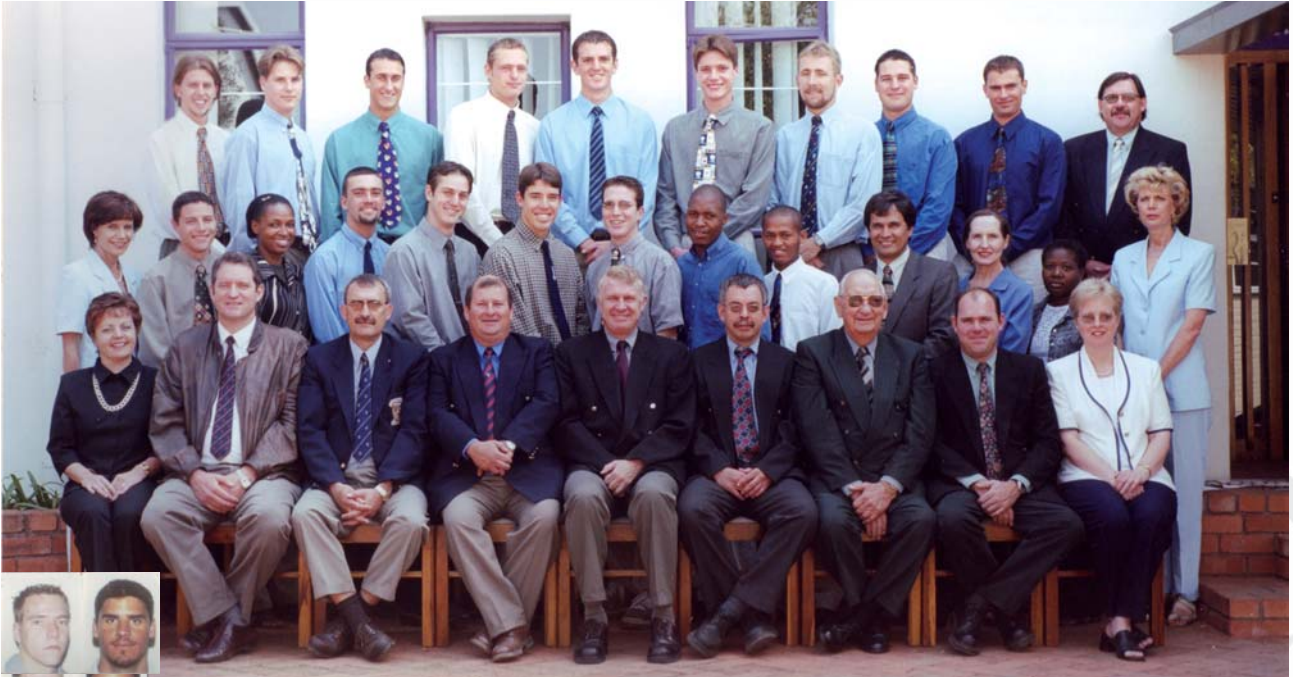
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# 2000

## 2000 Finalejaar Bourekenkunde en Konstruksiebestuur



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## 2001 Finalejaar Bourekenkunde en Konstruksiebestuur



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## 2002 Finalejaar Bourekenkunde en Konstruksiebestuur



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## 2003 Finalejaar Bourekenkunde en Konstruksiebestuur



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## 2004 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Mee. E Scholtz, A Esterhuys, Mnre. S Ramabodu, BJ Swart, Prof. JJP Verster, Mnr. FH Berry, Dr. HJ Marx, Mee. B Kotzé, N Shibane, M-L Roux Middel: Mee. A Beukes, E Coertzen, Mnr. T Lekoa, Me. K Nieuwoudt, Mnre. S Luüs, X de Wet, L-R Geldenhuys, V Liebenberg, R Raath, M Gerber, Mee. P Mochebele, G Mohano, Mnr. K Tlahali, Me. S Olivier Agter: Mnre. M Malefane, T Mochebelele, J Marais, W Pretorius, P Lourens, J du Preez, L Mokone, S Motsomi, N Tlebere, K Sello Inlas: Mnr Ntene

# 2000

## 2005 Finalejaar Bourekenkunde en Konstruksiebestuur



Voor: Mnr. M Lerotholi, Me. E van der Walt, Mnre. B Swart, H van Vuuren , Prof. B Verster, Mnr. F Berry, Dr. H Marx, Mee. B Kotzé, A Esterhuysen, M-L Roux  
Middel: Mee. E Scholtz, E Coertzen, E van Vuuren, C Myburgh, G Tiruneh, MP Komane, A van der Walt, L le Roux, Mnr. N-J van der Westhuizen, Me. M du Plessis,  
Mnr. JJ Human, Mee. H Jordaan, S Hugo, M Kemp, M Moremedi, S Olivier, A Beukes, J Kruger Agter: Mnre. N Ntlonti, R Pieterse, OJ Engelbrecht, TS Malope,  
J Lubbe, H Van de Wall, L Nel, N Mepa, K Pretorius, N van Niekerk, G Visser, JP Verster, DS Bothma, T Myburgh, K van Schalkwyk, PA Bothma, N Mabaso



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# End of the journey

Die einde van die reis

## Highlights of 2005

Hoogtepunte vir 2005

**D**ie Departement Bourekenkunde en Konstruksiebestuur aan die Universiteit van die Vrystaat is trots om deel te wees van die volgende hoogtepunte:

- Bourekenkunde aan die Universiteit van die Vrystaat is 50 jaar oud;
- Vir die eerste keer in sy bestaan bedien die Departement meer as 400 studente aan die Universiteit van die Vrystaat;
- Die Meestergraadstudente getalle oortref 40;

- 95 kandidate voltooi kortkursusse en -programme in Bloemfontein en Midrand;
- Prof. Verster word uitgenooi om 'n internasionale kongres in Wene toe te spreek en 'n lesing te lewer terwyl Mnr. Ramabodu ook 'n uitstekende lesing in Wene voorgedra het;
- Me. Kotzé en Mnr. Ramabodu besoek London om by 'n CIOB kongres 'n lesing te lewer;
- Die gesogde RICS tydskrif aanvaar 'n artikel geskryf deur Mnr. Ramabodu, Me. Kotze en Prof. Verster;
- Prof. Verster is voorsitter van ICEC en word benoem as *Fellow of the CIOB*;
- Prof. Verster ontvang die Erepenning van die Fakulteit Natuurwetenskap en Tegniek van die Suid-Afrikaanse Akademie vir Wetenskap en Kuns;
- Vyf personeelede van die Departement lewer referate tydens die Wêreldkongres vir Koste-ingenieurswese, Bourekenkunde en Projekbestuur in Ljubljana, Slovenia;
- Prof. Verster het die Distinguished International Fellowship-prys van die ICEC ontvang;
- Die Vereniging van Suid-Afrikaanse Bourekenaars se goue medalje vir die uitsonderlike student in Suid-Afrika is toegeken aan me. HT Jordaan vir prestasies tot 2005;
- Die gesogde DJ Laing-gedenkbeurs is toegeken aan me. S Chinner as een van die beste twee eerstejaar-bourekenkundestudente in Suid-Afrika.

# Summary

## Opsomming

Die afgelope 50 jaar is Bourekenkunde aan die Universiteit van die Vrystaat gekenmerk deur uitnemendheid. Nie net het die Departement as 'n onafhanklike departement in 1970 begin funksioneer nie, personeel is vermeerder om die groeiende toename in studentegetalle te akkommodeer en die Departement het sy eie gebou en fasiliteite in 1994 betrek.

Die betrokkenheid van die Departement in verskeie rolspelende sektore in die konstruksie-bedryf word onder meer gekenmerk deur mentorskapsprogramme, kortkursusse, voortgesette onderwysprogramme en die Sentrum vir konstruksie-entrepreneurs wat met groot sukses bedryf word.

Personeel se betrokkenheid en bydraes tot navorsing word nasionaal en internasionaal geag en hierdie betrokkenheid het gelei tot verskeie navorsingsprojekte wat saam met belangrike rolspelers in die internasionale bou- en konstruksiesektor gedoen word. Van die gesamentlike navorsingsprojekte word onder andere saam met die *Wirtschafts Universität* in Oostenryk

en die *Royal Institute of Chartered Surveyors* (RICS) in die Verenigde Koningryk gedoen.

Personeel van die Departement is internasionaal en nasionaal verteenwoordig op verskeie liggame in die konstruksie-industrie. Van hierdie betrokkenheid sluit die voorsitterskap van die wêreld-liggaam ICEC in.

Die Departement het die afgelope 50 jaar nie net op onderwys en navorsingsgebied presteer nie, maar personeel en studente was ook verteenwoordig in provinsiale sportspanne. Die Departement neem ook ywerig deel aan sport en kulturgeleenthede wat deur die Universiteit aangebied word. Bemerkingsgeleenthede en -materiaal deur die Departement is van hoogstaande gehalte.

Akademiese studentetoere is baie gewild en leersaam en die Departement het dit ten doel om goed toegeruste studente aan die bedryf te lewer sodat Bourekenkunde en Konstruksiebestuurstudente aan die Universiteit van die Vrystaat se uitnemendheid 'n bekende kenmerk nasionaal en internasionaal sal bly.