



Nanotechnology Flagship Programme (NFP)

2007 Application

1. APPLICANT

If you have not registered your details on the NRF Online System (<http://nrffonline.nrf.ac.za>), please do so, especially the CV section as it will be part of your application. This is necessary for the ICDG¹ unit to process your application. Applications, where applicants fail to complete NRF Online Registration and CV sections, will not be considered for funding.

For any assistance please contact Ms Gita Maharaj at gita@nrf.ac.za or 012-481 4175.

1.1 APPLICANT DETAILS																													
TITLE	Prof		Dr		Rev		Ps		Mr		Mrs		Miss		Ms														
SURNAME																													
FIRST NAMES																													
INITIALS							ID Number																						
TEL. NO. (W)																	FAX NO.												
E-MAIL																													
INSTITUTION																													
FACULTY																													
DEPARTMENT																													
POSITION																													
DISCIPLINE (e.g. Analytical Chemistry)																													

Other Participating Institutions	<ul style="list-style-type: none"> • • • • •
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¹ ICDG = Institutional Capacity Development Grants

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2. COLLABORATION

2.1 MEMBERS OF THE CONSORTIUM DETAILS (please add further names as necessary)																		
TITLE	Prof		Dr		Rev		Ps		Mr		Mrs		Miss		Ms			
SURNAME																		
FIRST NAME																		
INITIALS																		
I.D. NUMBER																		
CITIZENSHIP																		
GENDER	M		F			RACE	B		C		I		W					
ADDRESS																		
TEL. NO. (W)																		
										MOBILE NO.								
TEL. NO. (H)																		
										FAX NO.								
E-MAIL																		
INSTITUTION																		
FACULTY																		
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POSITION	
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POSITION																												
DISCIPLINE (e.g. Analytical Chemistry)																												

3. PROJECT SUMMARY

Short proposal title	
Descriptive Proposal Title	
Broad Scientific Field (e.g. Engineering)	
Main Research field (e.g. Mechanical Engineering)	
Specialization (you may add more than one)	

4. PROJECT INFORMATION

4.1	<ul style="list-style-type: none"> EXECUTIVE SUMMARY (Approximately one A4 page).
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4.2	<ul style="list-style-type: none">• PROBLEM IDENTIFICATION <p>State main research question or problem statement. (Approximately ½ A4 page).</p>

4.3	<ul style="list-style-type: none">• RATIONALE AND MOTIVATION <p>Provide background to the proposal together with a review of the literature and other relevant resources. State the strategic importance of the research and how the research is relevant to the Nanotechnology Strategy. (max two A4 pages)</p>

4.4	FEASIBILITY OF THE PROPOSED RESEARCH WORK <ul style="list-style-type: none">• Risks associated with research.• Probability of success.• Likely returns on investment.
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	(max 1 ½ A4 pages)

5. RESEARCH AIMS

5	<ul style="list-style-type: none"> RESEARCH AIMS <p>Provide details on the aims of the research project. These should focus on research related aims and not capacity or human resource development aims. (max one A4 page).</p>

6. WORK PLAN

6.1	<ul style="list-style-type: none"> RESEARCH ACTIVITIES <p>Provide a detailed workplan giving information on each research activity per year under the following headings:</p> <ul style="list-style-type: none"> * Activity * Purpose and Methods * Timeframes * Milestones * Responsibilities * Participants * Student participation (number of students per level and how students will be involved) * Availability of equipment, infrastructure and resources <p>(approximately 2-3 A4 pages)</p>
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6.2	<ul style="list-style-type: none">• RESEARCH METHODS <p>This section includes three areas that should be addressed as fully as possible, viz research approach, methodology, and techniques, including detail on data collection and analysis and other relevant information (approximately 2-3 A4 pages)</p>

6.3	<ul style="list-style-type: none">• RESEARCH OUTPUTS <p>Provide details on envisaged measurable outputs (e.g. publications, patents, students, etc) and target dates for the entire duration of the project. (approximately ½ A4 page)</p>
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6.4	<ul style="list-style-type: none">POTENTIAL IMPACT ON HR DEVELOPMENT <p>Outline the impact this proposal has on human resource development in terms of -</p> <ul style="list-style-type: none">* Extent and appropriateness of research training (e.g. opportunities for training and experience provided to students)* Nature and significance of contribution of co-investigators and research associates* Nature and significance of inter-institutional and international collaboration* Appropriateness of Human Resource Capacity Development for a specific science domain/discipline/area of application/employment sector or for the development of scarce skills. <p>Issues relating to redress and equity should be specifically addressed in the next section. (approximately ½ A4 page)</p>

6.5	<ul style="list-style-type: none">POTENTIAL IMPACT ON REDRESS AND EQUITY <p>Outline the impact of this proposal on redress and equity (in terms of race and gender) in</p>
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	relation to the issues listed under 'Potential Impact on HR Development'. (approximately ½ A4 page)

7. BUDGET

7.1 Operation Costs				
Item	Explanation	2008	2009	2010
Material & Supplies				
Visiting scientist				
Local/International Conference				
Local/domestic travel				
Temporal support				
Sabbatical				
Public awareness				
Mentoring				

Other				
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7.2 Student Bursaries

- Provide details of your students to be trained or students already in the programme.
- Student can be listed as unidentified.

Category Level of Study (Honours, Masters, PhD, post-PhD)	Race	Gender	2008	2009	2010	Total

8. BUDJET MOTIVATIONS AND NOTES

Please enter as many motivation blocks as the items you request funds for. Detailed motivation will be advantageous to the application.

Motivations						
Item	2008	NOTE	2009	NOTE	2010	NOTE
Material & Supplies		1				
Visiting scientist						
Local/International Conference						
Local/domestic						

travel						
Temporal support						
Sabbatical						
Public awareness						
Mentoring						
Other						

Add explanatory notes/motivation (add as many notes as necessary)

NOTE	
1	
2	
3	

9. REVIEWERS

Please provide details of FOUR possible independent reviewers (not from participating members of the consortium or their institutions). Please feel free to include names of overseas reviewers.

Name	Institution	e-mail	Telephone	Fax

Please provide details of independent reviewers that you feel should not be contacted.

Name	Institution	e-mail	Telephone	Fax
Reason for unsuitability of reviewer				
Reason for unsuitability of reviewer				
Reason for				

unsuitability of reviewer	
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10. SIGNATURE OF APPLICANT

Signature	Date

11. APPROVAL BY INSTITUTIONAL DESIGNATED AUTHORITY

Name		
Position		
Institution		
Telephone Number		
Fax Number		
e-mail		
Signature		Date

12. APPROVAL BY PARTICIPATING INSTITUTIONS (add as necessary)

Name		
Position		
Institution		
Telephone Number		
Fax Number		
e-mail		
Signature		Date

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Name		
Position		
Institution		
Telephone Number		
Fax Number		
e-mail		
Signature		Date

Name		
Position		
Institution		
Telephone Number		
Fax Number		
e-mail		
Signature		Date

Name		
Position		
Institution		
Telephone Number		
Fax Number		
e-mail		
Signature		Date