



## Riad, J. Nurmohamed MSc. BSc.

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## 1. Personal Data

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Last name : Nurmohamed  
 First name : Riad, Jozef  
 Date of birth : 25 June 1974  
 Place of birth : Paramaribo - Suriname  
 Citizenship : Surinamer  
 Gender : Male

### Home address:

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 URL: <http://www.geocities.com/riadnur/Index.htm>

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## 2. Academic Qualifications

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Date	Degree/ Institution/ Subject
2008	<b>Doctor of Philosophy</b> (Ph.D) in Technological Sciences (Cum Laude), AdeKUS University of Suriname, Suriname
2000	<b>Master of Science</b> (MSc) in Water Resources Engineering, option Hydrology, Belgium (IUPWARE) (Distinction), Free University Brussels & Catholic University Leuven, Belgium.
1999	Diploma Water Resources Engineering (Cum Laude), Free University Brussels & Catholic University Leuven, Belgium.
1998	<b>Bachelor of Science</b> (BSc) in Infrastructure, option Civil Engineering, (Cum Laude), University of Suriname (UvS), Suriname.
1992	Diploma School for Scientific Education, Mr Dr J C De Miranda College, Suriname.

### 3. Professional Experience/ Affiliations

Date	Title/ Organization/ Responsibilities
1998 - present	<p><b>Full time Lecturer &amp; Researcher</b>, University of Suriname, Department Infrastructure, Leysweg, Suriname (SA), POB 9212, Phone: 597 - 465558, Fax: 597 - 495005.</p> <p><i>Lecturing courses, assisting in research/projects, curriculum development, assisting student research and practical work, organizing field trips, organizing seminars, development of information brochures/ posters, participating in department meetings.</i></p>
2000 - 2003	<p><b>Part-time Lecturer</b>, Polytechnic College (PTC), Suriname (SA), Phone: 597 - 470333.</p> <p><i>Lecturing courses, curriculum development, assisting project courses.</i></p>
2001 - present	<p><b>Part time Engineer</b>, Ministry of Public Works, Dept. Advice and Planning, Mr. Jaggernath Lachmonstr., Suriname (SA), Phone: 597 - 490666.</p> <p><i>Advice and planning of Infrastructure projects.</i></p>
1997 - 1998	<p><b>Full time Civil Engineer</b>, Ministry of Public Works, Department Bridges, Mr. Jaggernath Lachmonstr., Suriname (SA), Phone: 597 - 490666.</p> <p><i>Design and drawing of bridges, Preparation of Terms of Reference, Specifications and Tender, Monitoring of Bridge Structures.</i></p>
1996 - 1997	<p><b>Assistant project manager</b>, Building and Civil technical Construction, Company Engineer van Kessel, General Contractors BvK, Duisburglaan, Suriname (SA), Phone: 597 - 492025.</p> <p><i>Monitoring/supervising concrete foundations of the refinery project, assisting in the organization and evaluation of daily works at the plant (student-trainee work).</i></p>

#### Others

2007- present	<p><b>Projectleader VLIR-ADEKUS-IUC programme Master Education and Research Programme in Sustainable Management of Natural Resources</b>, University of Suriname, Suriname.</p>
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- 2005 - present **Head Department Infrastructure, University of Suriname, Faculty of Technology, Suriname (SA)**
- 2005 - present **Member of the Nationale Jeugdinstituut, Ministry of education, Suriname (SA)**
- 2005 - present **Member of the Steering Committee** Climate Change for the Ministry of Labor, Technology and Environment, representing the University of Suriname (SA).
- 2003 - present **National Representative of the International Association of Hydrological Sciences (IAHS) for Suriname.**
- 2002 - 2006 **Member of the Advisory Board of the Road Authority Suriname, Ministry of Planning and Development Cooperation, Dr. Sophie Redmondstraat, Suriname (SA).**
- 2001 - present **Coordinator Library Dept Infrastructure, University of Suriname, Faculty of Technology, Suriname (SA).**  
*Development of a database, information collection and ordering (books, journals, software, videos etc), publishing of catalogues, data transfer, contacts with International Library, arranging subscriptions for journals/books, software's (license) etc, information distribution and control of the contracts/agreements.*
- 2001 - present **Coordinator Website Department Infrastructure, University of Suriname, Faculty of Technology, Suriname (SA).**  
*Development of web page, up to date information collection, processing and publishing.*
- 2001 **Member of the FTEW Election Committee, University of Suriname, Faculty of Technology, Suriname (SA)**
- 1994 - 1995 **Coordinator of the Student Committee of the Faculty of Technology, University of Suriname, Suriname (SA)**
- 1993 - 1995 **Member of the Public Relation Committee, University of Suriname, Faculty of Technology, Suriname (SA).**  
*Development of posters and information brochures, organizing expo's.*
- 1992 - 1994 **Student Representative Study orientation Civil Engineering, University of Suriname, Suriname (SA)**

## 4. Memberships of Academic/ Professional Societies

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Date	Organization
2006 - present	Representative of the Global Water Partnership (GWP) for the University of Suriname
2004 - 2005	International Association of Hydro geologists (IAH)
2001 - present	International Association of Hydrological Sciences (IAHS)
2001 - 2002	American Society of Civil Engineers (ASCE)
2001 - 2003	America Water Resources Association (AWRA)

## 5. Education/ Training/ Research & Projects

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### 5.1 Education

Year	Course/ Load/ Organization
2005 - present	Onderzoeks- en Projectproposals, 15co+15we, Dept. Infrastructure, University of Suriname, Suriname.
2000 - present	Constructiemechanica I, 30c+30i, Dept Infrastructure, Electrical Engineering & Environmental Engineering, University of Suriname, Suriname
2003 - 2005	Project C1: Infrastructuur Planning, 15i+60we, Dept Infrastructure, University of Suriname, Suriname
2003 - 2005	Inleiding in de Infrastructuur, 30c+30we, Dept Infrastructure, University of Suriname, Suriname
2003 - 2005	Hydrologie, 30c+15i, Dept Infrastructure, University of Suriname, Suriname
2000 - 2004	Technisch Tekenen CAD - Bk/Ct tekenen, 30we, Dept Infrastructure, University of Suriname, Suriname

## 5.2 Training

Year	Course/ Load/ Organization
2001	Modeling of 2D Constructions, 2co+2we (one day), Faculty of Technology, Dept Infrastructure, University of Suriname.

## 5.3 Research & Projects

Year	Title/ Persons*/ Institution
2008 - 2012	<b>Master education and research programme on sustainable management of natural resources (technical)</b> , Nurmohamed, R. et al. Dept Infrastructure, University of Suriname, Suriname in cooperation with the University Development Cooperation of the Flemish Interuniversity Council.
2006 - 2009	<b>Capacity building for integrated water management in Africa and the Caribbean</b> (International project), Nurmohamed, R. Dept. Infrastructure, University of Suriname, Suriname in cooperation with the University of West Indies, Trinidad.
2004 - 2007	<b>Support for Tropical Atmospheric Research (STAR)</b> (International Project), Naipal, S., Nurmohamed, R, et al., Dept Infrastructure, University of Suriname.
2001 - 2005	<b>Impact of Climate Change and Climate Variation on the Water Resources of Suriname</b> (PhD research), Nurmohamed, R., Dept Infrastructure, University of Suriname, Suriname
2002 - present	<b>Micro-Hydropower Research in rural areas in Suriname</b> , * Naipal, S., Nurmohamed, R., et al, Dept Infrastructure, University of Suriname, Suriname
2002 - 2003	<b>Development of a Research and Monitoring Plan for the Sipaliwini Nature Reserve</b> , * Naipal, S., Nurmohamed, R. et al., Dept Infrastructure, University of Suriname, Suriname
<b>Student thesis work (co-supervisor)</b>	
2004	<b>Watermanagement in Nickerie, aanzet voor een water distributieschema</b> , Saerie, T., Dept Infrastructure, University of Suriname, Suriname

- 2004            **Verbetering van de waterhuishouding ter herstel van het Bigipan gebied ten noorden van de afdamming in Coronie,**  
\*Sanchit, P., Dept Infrastructure, University of Suriname,  
Suriname
- 2002 - 2005    **De invloed van de afvoer van het moerasgebied in Noord Paramaribo op de afwatering van het stedelijk gebied,**  
\*Playfair, L. Dept Infrastructure, University of Suriname,  
Suriname.

## 6. Publications

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### 6.1 Books (B) / Lecture notes (L) / Reports (R) (as composer)

Year	Title/ Institution
2008	The Impact of climate change and climate variability on the water resources in Suriname (B) (Ph.D thesis).
2008	Onderzoeks- en projectvoorstellen (L), University of Suriname.
2004	Constructiemechanica 1 (L), University of Suriname
2004	Project C1: Infrastructuur Planning (L), University of Suriname
2003	Hydrologie (L), University of Suriname
2003	Management Plan Sipaliwini Nature Reserve (R), University of Suriname & Celos (Narena)
2000	Water hammer Analysis in a Simple Conduit using Numerical Methods (MSc thesis) (R), Free University Brussels & Catholic University Leuven, Belgium
1998	Een methode voor systematisch onderzoek naar het micro-mini waterkracht potentieel in het binnenland van Suriname - Een casestudy in het Boven-Suriname rivier gebied (BSc thesis) (R), University of Suriname.

## 6.2 Papers/ Articles in (inter)national Journals

- Effects of global climate change and climate variability on Suriname's climate and water resources, by R. Nurmohamed and S. Naipal, *Interactie - Journal of the University of Suriname*, 2005 - 7, pp. 47 - 60, ADEK University of Suriname.  
(<http://asa2.pica.nl/DB=1.6/SET=111/TTL=1/SHW?FRST=3>)
- Variability of rainfall in Suriname and the relation with ENSO - SST and TA - SST (summary), by R. Nurmohamed and S. Naipal, *Advances in Geosciences* 6, 77 - 82, 2006.  
([www.copernicus.org/EGU/adgeo/6/contents1.html](http://www.copernicus.org/EGU/adgeo/6/contents1.html))
- Rainfall Variability in Suriname and its Relationship with the Tropical Pacific ENSO SST Anomalies and the Atlantic SST Anomalies, by R. Nurmohamed, S. Naipal and C. Becker, *International Journal of Climatology* 26, 2006.  
(<http://www3.interscience.wiley.com/cgi-bin/jissue/77004368>)
- Hydrologic modelling of the Upper Suriname River basin using WetSpa and ArcView GIS, by Nurmohamed. R, Naipal. S and F. De Smedt, *Journal of Spatial Hydrology*, Vol. 6, No. 1, 2006.  
([http://www.spatialhydrology.com/journal/Vol\\_6\\_%20No\\_%201\\_Spring\\_2006.htm](http://www.spatialhydrology.com/journal/Vol_6_%20No_%201_Spring_2006.htm))
- Development of scenarios for future climate change, by R. Nurmohamed and S. Naipal, *ACTA NOVA*, Vol. 3, No. 3, December 2006, *Journal of Universidad Catolica Boliviana San Pablo*.  
([www.ucbca.edu.bo/](http://www.ucbca.edu.bo/))
- Long-term changes and variability in the discharge regime of the Upper-Suriname River Basin, by R. Nurmohamed, S. Naipal and C. Becker, in publication, 2007, *Hydrological Sciences Journal*.  
(<http://www3.interscience.wiley.com/search/allsearch?mode=quicksearch&WISindexid1=WISall&WISsearch1=Upper+Suriname>)  
<http://www3.interscience.wiley.com/cgi-bin/abstract/116318377/ABSTRACT>
- Changes in Annual Rainfall and River Discharges in Suriname, by R. Nurmohamed, S. Naipal and C. Becker, submitted to *International Journal of Climatic Change* (first review process 2007).
- Modelling hydrological response of the Upper-Suriname river basin to climate change by the WetSpa model, by R. Nurmohamed, S. Naipal, F. De Smedt, 2006, 17 Aug 2007, *Journal of Spatial Hydrology*.  
(<http://www.spatialhydrology.com/journal/>)

### 6.3 Text in proceeding or conference records

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- Trends and Variation in Monthly Rainfall and Temperature in Suriname, R. Nurmohamed, R. and S. Naipal, 2004, pp1 - 21, International Conference on Water Observation and Information Systems (Balwois), 25 - 29 May 2004, Macedonie.
- The Impact of Climate Change on the Rainfall Distribution in Suriname, R. Nurmohamed, pp. 1 - 16, 5th International Inter-Guianas Conference, Building Capacity to Meet the Emerging Challenges in the Guianas, October, 22 - 25, 2002, Guyana.

### 6.4 Oral presentation at professional meetings

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- The impact of climate change on the hydrological regime in the Upper Suriname river basin, by R. Nurmohamed, 2007, Water and de toekomstige ontwikkeling van Suriname, 5 - 9 Nov 2007, **Suriname**.
- Impact of changes in climate on rainfall in Suriname, R. Nurmohamed, Research School "Tropical Atmospheric Research in Suriname" March 13 - 17, **Paramaribo, Suriname**.
- Variability of Rainfall in Suriname and the Relation with ENSO-SST and TNA-SST (summary), R. Nurmohamed, International Association of Meteorology and Atmospheric Sciences (IAMAS) 2005 - The fascinating Atmosphere, changeable and changing, August 2 - 11, 2005, **Beijing, China**.
- Atmospheric Research at the University of Suriname, R. Nurmohamed, Opening ceremony of the STAR project (Support for Tropical Atmospheric Research), 26 October 2004, Meteorological Service Suriname, **Suriname**.
- Trend and Variation in Monthly Rainfall and Temperature in Suriname, R. Nurmohamed, Conference on Water Observation and Information System for Decision Support, 25 - 29 May 2004, **Ohrid, FY Republic of Macedonia**.
- The Impact of Climate Change on the Rainfall Distribution in Suriname, R. Nurmohamed (2002), 5th International Inter-Guianas Conference, October, 22 - 25, 2002, **Guyana**.
- Potenties voor microwaterkracht in het binnenland van Suriname, Nurmohamed, R., Opening Waterbouwkundig Laboratorium, 15 april 2004, Studierichting Infrastructuur, Universiteit van Suriname, **Suriname**.
- Integratie van GIS binnen het Universitair Onderwijs, GIS Conferentie 2002, Nurmohamed, R. (2002), November 22, 2002, **Suriname**.

## 6.5 Posters presented at professional meetings

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- Variability of Rainfall in Suriname and the Relation with ENSO - SST and TNA - SST, R. Nurmohamed, S. Naipal and C. Becker, International Association of Meteorology and Atmospheric Sciences (IAMAS) 2005 - The fascinating Atmosphere, changeable and changing, August 2 - 11, 2005, **Beijing, China**.
- Trend and Variation in Monthly Rainfall and Temperature in Suriname, R. Nurmohamed, R and S. Naipal, Conference on Water Observation and Information System for Decision Support, 25 - 29 May 2004, **Ohrid, FY Republic of Macedonia**.
- Impact of Climate Change on the Rainfall Distribution in Suriname, Open Science Conference, Global Water System Project (GWSP), 7 - 9 October 2003, **New Hampshire, USA**.
- Impact of Climate Change on the Rainfall Distribution, International Year of in Suriname Freshwater 2003, 5 - 11 May NIMOS, **Suriname**.

## 7. Attended (Att)/ Organized (Org) Seminars, Workshops, Conferences

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- Water and de toekomstige ontwikkeling van Suriname, 5 - 9 Nov 2007, **Suriname**  
[www.uvs.edu/waterconferentie/](http://www.uvs.edu/waterconferentie/)
- IPCC Working Group III: Working on new emission scenarios, Seville, **Spain** from 20 - 22 March, 2006
- IPCC Working Group III: Working on new emission scenarios, Laxenburg, June 29 - July 1, 2005, **Australia**.
- (Att) Seventh International Association of Hydrological Sciences (IAHS) Scientific Assembly, 4 - 9 April 2005, **Foz do Iguacu, Brazil**.
- (Att) Regional climate modelling for South American continent using PRECIS (Providing Regional Climates for Impacts Studies), CPTEC, Cacharia Paulista, **Brazil**, 1 - 5 nov 2004.
- (Att) Conference on Water Observation and Information System for Decision Support (BALWOIS), 25 - 29 May 2004, **Ohrid, FY Republic of Macedonia**.

- (Att) 1ste International CLIVAR Science Conference on Understanding and Predicting our Climate System, 19 - 25 June 2004, **Baltimore, USA.**
- (Att/Org) Monitoringsplan Sipaliwini Nature Reserve, 23 Jan 2004, Aula Celos, **Suriname.**
- (Att) Global Water System Project (GWSP), Open Science Conference, 7 - 9 October in Portsmouth, **New Hampshire, USA.**
- (Att) Lezingen en Mini Expositie International Year of Freshwater 2003, NIMOS, 5 - 9 May 2003, **Suriname.**
- (Org) GIS Conferentie 2002, Paramaribo, November 22, 2002, Celos, University of Suriname, **Suriname.**
- (Att) Modellen en Schaalwetten op het gebied van de Hydrologie en Hydraulica, 2001, Dept Infrastructure, University of Suriname, **Suriname.**
- (Att) Micro-miniwaterkracht Ontwikkeling, Dept Infrastructure, 2001, University of Suriname, **Suriname.**
- (Att) Naar een geïntegreerd water- en waterloopbeheer, 2000, KVIV, **Antwerpen, Belgium.**
- (Att) Ontwatering Groot Paramaribo, 2000, Ministry of Public Works, **Suriname.**

## 8. Professional Training

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- 3 days training “*Coachend leidinggeven*”, 26 Juli - 3 aug 2007, SYMBIONT Consulting, University of Suriname, Suriname.
- 1 week training “*Regional climate modeling for the South America continent using PRECIS*”, CPTEC, Brazil, 1 - 5 Nov 2004, Brazil.
- 1 day *Logical Framework Analyses Workshop*, 12 - 13 Oktober 2006, University of Suriname, Suriname.
- 1 week *Integrated Water Management: “Training of Trainers”*, 12 - 15 December 2006, University of the West Indies, Trinidad.
- 1 week *Management Training in Public Speaking, Leadership, Protocol, Communication, Time Management and Meeting-techniques*, University of Suriname, 1992;1995

- 4 days training *Project Appraisal Implementation and Management*, Institute for Development and Planning (IDPM), University of Suriname, 2000
- 1 day training *Presenting Courses*, IOL & University of Suriname, 2001

## 9. Computer Skills

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Working knowledge in MS OFFICE, Geographic Information System, Civil Engineering-technical software's, Hydrologic software's, Climate models.

## 10. Language Proficiency

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Surinamese : good (spoken)  
English : good (written and spoken)  
Dutch : good (written and spoken)

## 11. References

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Supplied on request.

## Certification

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I, the undersigned, certify that, to the best of my knowledge and belief, this bio data correctly describes myself, my qualifications and my experience.

I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if employed.

Date of signing ..... (day/month/year) Stamp

Signature .....

(profile details last updated: February 15, 2008)