

of turbulent flows  
stochastic Navier-Stokes

closed sets in  $F(\Omega)$

$$\bigcup_{i=1}^{\infty} F_i(\Omega)$$

$$\sum_{i=1}^{\infty} u^{(i)} = -f$$
$$\operatorname{div} u^{(i)} = f^{(i)}$$

$$\Omega^{(i)} u^{(i)}(0)$$

$$u^{(i)}(t, x, \omega)$$



Prof Sango is Professor van Wiskunde in die Departement Wiskunde en Toegepaste Wiskunde in die Fakulteit Natuur- en Landbouwetenskappe. Hy is ook verantwoordelik vir die koördinerings van navorsing en nagraadse studie. Van 1996 tot 2003 het hy Wiskunde gedoseer op die kampusse van die voormalige Universiteit Vista in Soweto, Sebokeng en Mamelodi, waarna hy in 2004 by die Universiteit van Pretoria aangesluit het.

Prof Sango het in 1993 'n meestersgraad in Wiskunde van die Staatsuniversiteit van Donetsk in die Oekraïne ontvang en 'n PhD in Toegepaste Wiskunde van die Universiteit van Valenciennes in Frankryk in 1998.

Prof Sango se navorsingsbelangstellings dek die gebied waar drie belangrike studievelds ooreenval, naamlik partiële differensiaalvergelings, stogastiese prosesse en differensiaalmeetkunde. Hy het voortreflike bydraes gelewer om meer lig te werp op verskeie wiskundige vraagstukke, en veral 'n merkbare bydrae gemaak tot elliptiese spektraalanalise met onbepaalde gewigte, die homogenisering van nie-liniêre partiële differensiaalvergelings en spesifieke wiskundige probleme wat verband hou met die turbulente vloei wat beskryf word deur stogastiese partiële differensiaalvergelings. Hy was promotor van twee PhD-studente en mentor van verskeie postdoktorale genote. Prof Sango het etlike toekennings ontvang, onder andere Universiteit Vista se Visekanselierstoekening vir uitnemende bydraes tot kennis in 2001. Hy het verskeie besoekende posisies by vooraanstaande internasionale navorsingsinstellings beklee, onder meer die *Institut des hautes études scientifiques* in Parys, die Isaac Newton Institute for Mathematical Sciences van Cambridge-Universiteit, en die Institute for Advanced Study van Princeton-Universiteit. Hy het 'n NNS-gradering van B3.

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Prof Sango is a Professor of Mathematics in the Department of Mathematics and Applied Mathematics in the Faculty of Natural and Agricultural Sciences. He has also been assigned the duties of research and postgraduate coordinator. After lecturing Mathematics on the campuses of the former Vista University in Soweto, Sebokeng and Mamelodi from 1996 to 2003, he joined the University of Pretoria in 2004.

Prof Sango graduated in 1993 with a Master of Sciences degree in Mathematics at Donetsk State University in the Ukraine, and obtained a PhD in Applied Mathematics from the University of Valenciennes in France in 1998.

Prof Sango's research interests are at the intersection of three major fields, Partial Differential Equations, Stochastic Processes and Differential Geometry. He has made outstanding contributions to several problems, notably in elliptic spectral problems with indefinite weights, in homogenisation of nonlinear partial differential equations and in some mathematical problems related to turbulent flows of fluids governed by stochastic partial differential equations. He has produced two PhD-graduates and mentored several postdoctoral fellows. Prof Sango has received several awards, such as the Vista University Vice-Chancellor's Award for outstanding contributions to research and knowledge in 2001. He has held visiting positions in leading international research institutions, such as the *Institut des hautes études scientifiques* in Paris, the Isaac Newton Institute for Mathematical Sciences at Cambridge, and the Institute for Advanced Study at Princeton. He has a B3-rating from the NRF.

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Prof Sango ke profesa ya Dipalo ka Kgorong ya Dipalo le Dipalo tšeo di Dirišitšwego ka Lefapheng la Thutamahlale a Tlhago le Temo. Gape o šoma bjalo ka Morulaganyi wa Dinyakišišo le Maphoskratšuweiti. Ka morago ga go ruta Dipalo dikhamphaseng tša Vista ya Soweto, Sebokeng le Mamelodi go tloga 1996 go fihla go 2003, o ile a thoma go šoma UP ka 2004. Prof Sango ke modudi wa Afrika-Borwa ka semolao. O phethile MSc ka Dipalo nageng ya maloba ya Soviet Union Donetsk State University ka 1993 gomme PhD ya gagwe ya Dipalo tšeo di Dirišitšwego go tšwa University of Valenciennes (France) ka 1998.

Dikgahlego tša dinyakišišo tša Prof Sango di akaretša magoro a magolo a mararo, Ditekantšho tša Phapano ya Seripa, Ditshepetšo tša stotšhastiki le Tšeometri ya Phapano. O tšeere karolo e kgolo tharolong ya mathata a mmalwa ao a bonwego go mathateng a spektrale sa eliptiki ka diweiti tša go hloka magomo, ka go kopantšho ya ditekantšho tša phapano tša seripa tšeo di sa latelelanego le ka mathateng a mangwe a dipalo ao a manago le kelelo e šoro ya diela yeo e laolwago ke ditekantšho tša phapano tša seripa tša stotšhastiki.

Prof Sango o amogetše difoka tše mmalwa bjalo ka Sefoka sa Motlatšamokhanseliri wa Vista University sebakeng sa go tšea karolo ye kgolo tsebong ka 2001. O kile a swara maemo a ketapele diinstitšhuteng tša dinyakišišo maamong a boditšhabatšhaba bjalo ka Institut des Hautes Etudes Scientifiques kua Paris, Institšhute ya Thutamahlale a Dipalo ya Isaac Newton go la Cambridge le Institšhute ya Dithuto tša Kgatelopele go la Princeton. O fihleletše maemo a Y2 go tšwa go NRF.