

MUGENDI KANAMPIU M'RITHAA

RESUMÉ

MUGENDI KANAMPIU M'RITHAA

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EDUCATION

2006 – 2009 Cape Peninsula University of Technology Cape Town, South Africa

- Doctorate degree in Design – in view.

Dissertation Title: “*Mainstreaming Universal Design Strategies in Cape Town: The 2010 FIFA World Cup™ Projects in Perspective*”.

2005 – 2008 Cape Peninsula University of Technology Cape Town, South Africa

Higher Diploma in Higher Education and Training (HDHET).

Coursework and portfolio.

1991 – 1993 Industrial Design Centre – Indian Institute of Technology (IIT-B) Mumbai, India

Master’s degree in Industrial Design – majored in Advanced Ergonomics.

Commonwealth Scholarship and Fellowship Plan award recipient.

1991 The Kenya Polytechnic Nairobi, Kenya

Certificate in Computer-Aided Design (CAD).

Hands-on training in AutoCAD.

1984 – 1987 University of Nairobi Nairobi, Kenya

Bachelor’s degree in Design (Honours).

Courses in Design Theory; History of Art and Design; Form and Content Appreciation; Materials; Structures; Ergonomics; Socio-Cultural Studies; Communication; Cost-Control Planning; Graphic Design (typography, photography, advertising); Fashion and Textiles (print-making, garment construction; weaving); Product design (ceramics, glass, leatherwork, wood, stone, metal, plastics, jewellery, furniture, interiors).

JOB-RELATED EXPERIENCE

- Visualization and production of design concepts for 2-Dimensional and 3-Dimensional applications.
- Interior Design, Model-making, Landscaping, Furniture Design, Exhibition Display, and Mural Design.
- Quality control and supervision in printing and binding of institutional publications.
- Attending to official correspondence, supervisory tasks internally as well as client meetings, briefings and correspondence.
- Working knowledge of MS Windows packages (DTP & Graphics Software), Silicon Graphics (*Alias Modeler*), and Auto CAD.
- Professional Design Consultancy for a variety of corporate and institutional clients in areas of Graphics, Furniture, Exhibition, Interior, Industrial and Universal Design.
- Teaching, Supervision and Examining students in the areas of Ergonomics; Industrial Design; Jewellery Design; Interior Design; Interior Architecture; Landscaping & Human Development; Furniture Design; Exhibition Display; Technical/Instrumental Drawing; Design Theory; Photography; Art in Africa; Safety & First-Aid (in conjunction with the National Red Cross Society); Graphics; Industrial Product Design; Major Design Project; Design for (Human) Special Needs; Universal Design; Design, Technology & Society; and Professional Practice.
- Organizing for field trips, and research in Landscaping, Industrial, Interior, Exhibition, Furniture and Graphic Design @ UoN; NIT & UB.
- Serving as Secretary to Department Faculty Board Meetings, Time-Table coordinator, Year Master, as well as Examinations Officer in the Department of Design @ UoN & UB.
- Initiating and coordinating Departmental Product Design & Development Unit (PDDU) activities as well as being author/editor of Departmental Academic Brochures @ UB.
- Serving on Faculty Research & Publications Committee; Member of World Intellectual Property Organization (WIPO) Day Celebrations National Steering Committee; Member of Faculty Exhibition Committee for University Open Day; Member of Faculty Research & Publications Committee, and Member of Faculty International Trade Fair Committee @ UB.
- Establishment of Departmental Research Focus Group and acting Head of Department in the Department of Industrial Design @ CPUT.
- Serving in various committees including Technology Olympiad, 2010 Projects; Academic Exclusions: Readmission & Appeals; *Ad Hominem* Appointments and Appeals; Employment Equity Monitoring; Disability Portfolio; Plagiarism;

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Postgraduate Admissions Panel; Research; Senior Academic Staff Recruitment/Appointments (also as a Union Representative); and Staff Development, as well as being a member of the Institutional Disability Advisory Forum @ CPUT.

- Supervision of cross-disciplinary Magister Technologiae (MTech): Design students @ CPUT.
- Peer-reviewer of academic articles/papers for conference proceedings and journal publications in design-related topics.
- Organising, chairing and coordinating conference panels and presentations schedules at national and international conferences.
- Initiating academic and research links with other institutions offering industrial/product design on the continent.
- Initiating opportunities for engagement with local communities and schools to promote socially responsible design awareness and activities.
- Liaising with industry partners for student projects and design competitions @ CPUT.
- Local coordinator of the Creative Communities for Sustainable Lifestyles- Africa (CCSL-A) research project in the field of Design for Sustainability (D4S) - a joint project under the auspices of UNEP.
- Guest Lecturer in Linnaeus Palme Exchange programme with Masters (Interaction Design) @ Malmö University, Malmö, Sweden.
- Serving as Academic Mentor for exchange students from Malmö University on Swedish International Development Agency (SIDA)-sponsored scholarship project.
- Initiating academic links and student exchange agreement with Politecnico di Milano, Italy and École Nationale Supérieure des Arts Décoratifs (ENSAD), France.

WORKSHOPS AND SYMPOSIA

- Industrial attachment at Government Press (Composition, Printing and Binding Section) 1988.
- Symposium on *Child Survival and Development* (UNICEF-sponsored), 1988.
- Resource person on *Development of IEC Materials on Population Education of Workers* (ILO-sponsored), 1989.
- Resource person at *1st Certificate Course in Population Management* at Kenya Institute of Mass Communication (KIMC) 1989.
- Prepared exhibits and narration script on *Use of Energy by Households in Kenya* for UNCHS (*Habitat*), 1991.
- Designed and mounted exhibition for *Graduating Class of Designers* at Nehru Centre, 1993.
- Member of the Secretariat and Exhibition Committees of the *First National Seminar on the Promotion of Sustainable Building and Construction Industry in Kenya*, 1993.
- Resource person at workshop on developing National Diploma Syllabi for Design- related courses at Kenya Institute of Education (KIE), 1997.
- Participant at conference on *Non-Fiction and Academic Authors Organization of Kenya* organized by the Reproduction Rights Organization of Kenya (KOPIKEN), 1997.
- Set up of exhibition for "CLEAN UP THE WORLD" UNEP Campaign at Sarit Centre, Nairobi, 1998.
- Participant at the ICSID-endorsed *InterDesign Workshop on Water* by the Design Institute, South African Bureau of Standards (SABS), Pretoria, 1999.
- Resource person at the *9th Burg Wildenstein Int'l Summer Design Workshop*, Leibertingen, Germany, 2002.
- Prepared workshop presentation entitled *Design of a Multipurpose Rural Transporter* at the dyd02 Conference in Bangalore, India, 2002.
- Participant at *Workshop on Occupational Health & Safety* by Botswana Bureau of Standards (BoBS), Gaborone International Convention Centre, Gaborone, 2003.
- Chair of Exhibition Sub-committee for the *Botswana Design Event*, Botswana Technology Centre (BoTEC), Gaborone, 2003.
- Co-chair of *Water and Sanitations for Cities* strategic discussion workshop at the ICSID Africa Regional Meeting, Cape Town, 2003.
- Convenor and Facilitator of workshop on *National Design for Development Awards*, BoTEC, Gaborone, 2003.
- Facilitator of workshop on *Creativity and Innovation beyond Just Products*, UB, Gaborone, 2004.
- Coordinator of workshop on *Designing a Prosperous Nation*, BoTEC, Gaborone, 2004.
- Participant at the ICSID-endorsed *InterDesign Workshop on Sustainable Rural Transport* by the Design Institute, SABS, Rustenburg, 2005.
- Participant at the *Design Education Forum of Southern Africa* (DEFSA), Pretoria, 2005.

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- Participant at the *Employment Equity- the Disability Challenge* Congress by the Institute for the Promotion of Disabled Manpower (IPDM), Cape Town, 2006.
- Participant at the *Employment Equity Workshop*, CPUT, Bellville, 2006.
- Participant at the *Design Lekgotla* conference at The Innovation Hub, Pretoria, 2006.
- Participant at the annual *Design Indaba* event (conference & exhibition) at the Cape Town International Convention Centre, Cape Town, 2005- to date.
- Presented "*Ubuntu and Universal Design*" at the Novalis Ubuntu Institute, Cape Town, 2007.
- Co-facilitator of workshop on *Universal Design* at the DEFSA International Conference at CPUT, Cape Town, 2007.
- Facilitator of panel discussion session on "*Challenges*" at AFRICA DESIGN DAY event, Bellville, 2007.
- Presented "*Adapting the Environment for Successful Work Integration Practice: Applied Universal Design Principles*" at the IPDM General Meeting, Cape Town, 2008.
- Participant at the UNEP-endorsed *5th African Roundtable on Sustainable Consumption and Production* (ARSCP-5), Midrand, 2008.
- Participant at the Africa Design Day Event, Pretoria, 2008.
- Organiser and facilitator of inaugural/pilot of UNEP-sponsored CCSL-A student workshops and expert seminar, Cape Town, 2009.
- Facilitator of Network of Africa Designers/CCSL-A/ICSID meetings and presentations, Cape Town, 2009.
- Lecturer-Speaker on "*A Brief Sketch of the Design Process*" at SciFest Africa 2009 event, Grahamstown, 2009.

REPORTS AND RESEARCH PAPERS

- "*THE RHYME AND REASON OF ETHICAL DESIGN PRACTICES: steering designers towards sustainable solutions*" – selected paper presented at the CUMULUS (International Association of Universities and Colleges of Art, Design and Media) Conference, Saint-Etienne, 2008 – co-author.
- "*ENGAGING CHANGE: an African perspective on designing for sustainability*" – keynote paper presented at the Changing the Change (CtC) Conference, Turin, 2008.
- "*SHIFTING TRAJECTORIES: advancing cosmopolitan localism through participatory innovation*" – Paper presented at the Changing the Change (CtC) conference, Turin, 2008 – principal author.
- "*A CITY IN FLUX: Cape Town's Search for an Inclusive Future*" – Paper presented at the Design Education Forum of Southern Africa (DEFSA) conference on FLUX, Cape Town, 2007 – principal author.
- "*FROM THE GRAVE TO THE CRADLE: The Eco-Design Case for the Re-Evaluation of Hemp*" – Paper presented at the Design Education Forum of Southern Africa (DEFSA) conference on FLUX, Cape Town, 2007 – co-author.
- "*ENGAGING WITH THE ELDERLY: A Participatory Design Approach to Compatibility*" – Paper presented at the Ergonomics Society of South Africa (ESSA) conference on APPLIED ERGONOMICS, Durban, 2007 – co-author.
- "*REDESIGNING EDUCATION FOR INCLUSIVENESS: Universal Design in Context*" – Paper presented at the Design Education Forum of Southern Africa (DEFSA) conference on RE:DESIGN Design Education, Port Elizabeth, 2006.
- "*SIMULATING DESIGN FOR PRODUCTION: Strategies, Challenges, and the Ideal Model*" – Paper prepared for the International Conference on Industrial Design Engineering, Dar-es-Salaam, 2003 – co-author.
- "*Proposed Draft Standard on Protective Clothing (Ref. No: CD[137]D20)*" – Technical paper and public comments presented to 5th Session of the Occupational Health & Safety (OHS) Technical Committee, Botswana Bureau of Standards (BoBS), Gaborone, 2003.
- "*Design, the Way Forward....*" – Seminar presented at the Botswana Design Forum/ICSID Africa Board Meeting, Botswana Technology Centre (BoTEC), Gaborone, 2003.
- "*BOTSWANA'S QUEST FOR SUSTAINABILITY: Scope for Design Intervention*" – Paper prepared for the dyd02 (Development by Design) Conference in Bangalore, India, 2002 – co-author.
- "*Communication in Rural Africa*" – Paper presented at the 9th Burg Wildenstein International Design Workshop in Leibertingen, Germany, 2002 – principal author.
- "*SIMULATING DESIGN FOR PRODUCTION: The University of Botswana Experience*" – Paper presented at the Design 2002 Conference in Dubrovnik, Croatia, 2002 – co-author.
- "*ALIVE IN AFRICA! - A Designer's Perspective*" – Industrial Designers Society of America (IDSA) Conference presentation in Boston, USA, 2001.
- "*Anthropometry and Design*" – Seminar presented at the Department of Design, Nairobi, 2000.

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- *"Design for Development"* – Seminar presented at the Department of Design, Nairobi, 2000.
- *"NEWLY INDUSTRIALIZED COUNTRY (NIC) BY 2020; which way forward?"* – Paper prepared for the Design Society of Kenya (DeSK) Journal, Nairobi, 1998.
- *"MADE IN KENYA: Enigma or Stigma?"* – Paper prepared for Design Education Forum of Southern Africa (DEFSA) conference in Cape Town, South Africa, 1995.
- *"DESIGN OF THE FUTURE; Southerly Impressions"* – Paper prepared for seminar at the Industrial Design Centre (IDC-IITB), Mumbai, 1994.
- *"Our Heritage, Our Advantage"* – Paper prepared for the Annual Cultural Week at Kenyatta University, Nairobi, 1994.
- *"Trade Fairs and Exhibitions"* – Paper prepared for seminar/workshop, Nairobi, 1994.
- *"NARRATIVE DESCRIPTIONS: How Dictionaries Deal with Objects; Some Pointers to Product Semantics"*, 1993.
- *"Product Liability - A Case Study"* – Seminar in Advanced Ergonomics, 1993.
- *"Industrial Training at Nilkamal Plastics, Mumbai"* – A report, 1992.
- *"Study of Two-Wheeler Sleeves"* – A seminar in Applied Ergonomics, 1992.
- *"Inside the Government Press"* – A report, 1988.
- *"THE BORAN; A Look at their Environment, Culture and Ornaments"* – 1987.

RESEARCH PROJECTS

- Design of a variety of applications for extruded *polyethylene* mesh (Polynet™).
- Redesign of a set of hand-tools for model-making in plastics.
- Design of a personal car for the lower-limb handicapped driver.
- Ergonomic assessment of an Electro-Motive Unit (EMU) train driver's cabin.
- Development of commercially viable range of bamboo and cane products.
- Co-researcher on IDC-funded project entitled *"Natural Language and the Art of Object Creation"*.
- Co-researcher on UoN-funded project: *"Exploration in Collapsing Outdoor Bamboo Furniture Applications"*.
- Co-researcher on UB URF-funded project: *"Strategies for Improving the Quality of Senior Secondary Design & Technology Education in Botswana"*.
- Design and development of collapsible portable furniture & accessories.
- Design and development of assistive products/accessories and Inclusive/Universal Design projects.
- Principal researcher on CPUT URF-funded project: *"Universal Design (UD) Strategies in Cape Town"*.

LEARNED SOCIETIES

- Design Research Society, United Kingdom.
- Indigenous Knowledge Society, CPUT.
- Socio-Technical Interactions Networking Group (STING), CPUT.
- International Society for Cultural and Activity Research (ISCAR) – African Regional Section, Ghana.

PROFESSIONAL AFFILIATIONS

- Member, *GUDEON* (Global Universal Design Education Online Network).
- Member, *ESSA* (Ergonomics Society of South Africa).
- Member, Management Committee *DEFSA* (Design Education Forum of Southern Africa).
- Member, Executive Committee *IPDM* (Institute for the Promotion of Disabled Manpower).
- Director, *DWDE* (Disability Workshops Development Enterprise; Cape Town).
- Member, *ARSCP* (African Roundtable on Sustainable Consumption and Production).
- Member, *DWB* (Designers Without Borders).
- Member of the International Advisory Committee, *Changing the Change* (Turin, Italy).

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- Member, *ARC-PEACE* (International Architects Designers, Planners for Social Responsibility).
- Founder Member and First Treasurer of *DeSK* (Design Society of Kenya).
- Founder Member, *NAD* (Network of Africa Designers).
- Founder Member, *IdeaSA* (Industrial Designers Association South Africa).
- Professional Member, *IOPK* (Institute of Packaging, Kenya).
- First Chairman of the Industrial Design Chapter of *DeSK*, 1998 – 2001.
- Kenya Contact Person, *ICSID* (International Council of Societies of Industrial Design), 1999 – 2001.
- Patron, *DSA* (Design Students Association), 1994 – 2001.
- Founder Patron, *UBDSS* (University of Botswana Design Students' Society), 2001 – 2004.
- Volunteer Designer and Coordinator, *VHI* (Village HopeCore International).

JUDGING

- Logo Design Competition – Longhorn (K) Ltd., Postal Corporation, and Telkom (K) Ltd., Nairobi.
- National Kiwi Art and Craft Competition – Sara Lee (K) Ltd., Nairobi.
- Product Design Competition – Kenya Prisons Industries, Nairobi.
- Design for Development Awards – Design Institute (SABS), Pretoria.
- DISA Design Excellence Awards – Design Institute (SABS), Pretoria.
- Young Achievers Awards – Design Institute (SABS), Pretoria.
- National Design for Development Awards - Botswana Technology Centre, Gaborone.
- National Art Competition- UNCHS/Habitat, Nairobi.
- Visa Olympics Art Competition – National Bank of Kenya Ltd., Nairobi.
- Design for the Twenty-First Century International Students' Competition, Rio-de-Janeiro.
- 2010 FIFA World Cup™ Green Goal Mouille Point Design Competition, Cape Town.

INTERESTS

- Industrial Design and Interior Design
- Universal Design/Inclusive Design/Design-for-All
- Ergonomics/Human Factors and Product Semantics
- Design-for-Sustainability; Eco-Design
- Socially Responsible Design; Design-for-Development
- Design Education and Adjudication
- Participatory Design/Design-by-All
- Intellectual Property and Appropriate Technology
- (African) Indigenous Knowledge Systems
- Vernacular Design and Material Culture
- First-Aid and Occupational Health & Safety
- Automobile Design and Technology
- Community Development
- Youth Lay Counselling and Life-Coaching
- Poetry, Drama, Film and World Music
- Travelling, Landscaping and Gardening

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