

# The Kumatoo Book



Become an exceptional inventor or innovator and get your profile on our Wall of Fame

May 2013 Edition



# Kumatoos

Valuing the African Genius



The Kumatoos website went live in 2009, although it was officially launched in January 2010. As of April 26, 2013 Kumatoos.com has displayed the profiles of 60 African inventors.

On a monthly and yearly basis, Kumatoos.com ranks inventors based on the number of times their page (profile) is viewed. Thus, these rankings are not generated by Kumatoos's Editorial Committee, but by visitors to our website.

After close to four (4) years of existence, the Editorial Committee has decided to publish a special report on these inventors called "**The Kumatoos Book**".

This book, which is **selective**, only gathers African inventors whose invention, innovation and / or finding is deemed "**original and /or exceptional**" by the Editorial Committee.

In its first edition, **Eight (8)** inventors have been published in The Kumatoos Book.

However, readers should not see any ranking in the following pages, but rather a sort of "**Wall of Fame**" that will be updated continually, yet selectively.

Rudy Massamba  
Executive Editor  
April 2013

# Sandrine Ngalula



Nationality : **Congolese (DRC)**

Invention : **Hybrid Car Engine and Hydrogen Station**

*Succeeded in transforming an electric car prototype into a hybrid car by integrating a fuel cell. The car's main fuel becomes hydrogen which releases only water as waste. Before Sandrine Ngalula succeeded in turning the prototype into a hybrid car, the car's maximum speed was 42 mph (miles per hour) or 67 km/h. With the hybrid system, the prototype reached a speed of 119 mph (191 km/h).*

# Victor Kossikouma



Nationality : **Togolese / French**

Invention : **Broadband Technology (PWCS)**

*Has developed a technology (Polyvalent Wireless Communication System) which allows, from a satellite broadband connection, the simultaneous provisioning of telephony, internet and video (image) services without using any landline cable. PWCS could revolutionize the telecommunications industry by promoting a greater penetration of information technology in underdeveloped countries from African.*

# Bertin Nahum



Nationality : **Beninese / French**

Invention : **Medical Robot (Rosa)**

*Has created a robot called Rosa™ that assists surgeons with brain surgery. This robot helps surgeon perform delicate brain operations. User-friendly and accurate, Rosa™ is now used in hospitals around the world for brain surgery. Bertin Nahum has been ranked 4th Most Revolutionary High-Tech Entrepreneur in the world by "Discovery Series" in 2012.*

# Oviemo Ovadje



Nationality : **Nigerian**

Invention : **Blood Auto-Transfusion Device**

*Has developed an effective, simpler and affordable blood auto-transfusion mechanism called EAT-SET. EAT-SET is a system that recovers blood from internal bleeding. The EAT-SET device uses the patient's own blood and safely reinfuses it if processed within the first 24 hours after haemorrhage. He was declared best African scientist and founded EATSET Industries in April 2001.*

# Souleymane Mboup

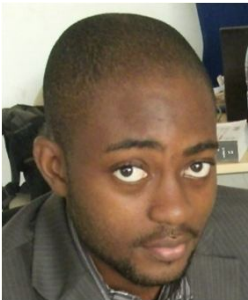


Nationality : **Senegalese**

Finding : **HIV-2 Virus**

*Professor Souleymane Mboup is a renowned Senegalese scientist who holds PhDs in Bacteriology, Virology and Pharmacy. In 1994, after an eight-year study of the Senegalese prostitutes with HIV-2, Professor Mboup and other scientists from the US and Europe wrote an article in Science magazine showing that the HIV-2 virus was less virulent and less transmissible than HIV-1.*

# Arthur Zang



Nationality : **Cameroonian**

Invention : **Medical Tablet (Cardiopad)**

*How it works: the patient is connected to electrodes placed on his heart that are connected to a module called CAM which, via a Bluetooth interface, transmits the heart signal to the Cardio Pad after the signal has been digitized. Heart beats, heart rate, and the intervals between each beat are then displayed on the Cardio Pad and sent to the cardiologist's Cardio Pad via a mobile telecommunication network.*

# Severin Keuzeu



Nationality : **Cameroonian / French**

Invention : **3D Anti-Collision System (Navigator)**

*Ph.D. in Industrial Computer Science and inventor of a unique collision avoidance system called N@vigator which comes with an onboard computer that collects a number of information such as the position of the equipment, its speed, the load it carries, its ability or inability to slow down, the speed and direction of the wind, etc. to compute a collision risk and avoid it.*

# Gebisa Ejeta



Nationality : **Ethiopian / American**

Invention : **Drought Resistant Sorghum**

*Professor Gebisa Ejeta, plant breeder and geneticist, with a colleague of his, discovered the chemical basis of the relationship between the deadly parasitic weed striga and sorghum. With this finding, he was able to produce sorghum varieties that resist both drought and striga. In 2009, he won the World Food Prize for his major contributions in the production of sorghum, among other distinctions.*



# Kumadoo

Valuing the African Genius

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- Should you like to make suggestions to improve this book or our work in general

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