**DRAFT PROPOSAL FOR GUEST POST AT MINDROCKET MEDIA ( Facilitated by Dr Rod Berger ).**

**Organization Supports STEM Education and Minds of Bright Young African Students**

The STEM DRC Initiative is an example of an organization dedicated to lifting the economic future of an entire country by moving minds forward in the arena of Science, Technology, Engineering, and Math (STEM). This is done by providing STEM Education Scholarships to students in the Democratic Republic of the Congo, (DRC) in Africa.

The primary goal of the STEM DRC Initiative is to provide technical education and empowerment to support bright young students and to support future economic development for the benefit of the entire country as a whole.

The organization is pleased to announce that it has secured the approval of the first lady of DRC Denise Tshisekedi, wife of President Felix Tshisekedi. In addition, Mrs. Tshisekedi has graciously agreed to be the Ambassador of STEM DRC Initiative.

Last year the 501c3 Non-Profit Foundation offered 6 scholarships, and this year thanks to our sponsors in the DRC they are offering 55 scholarships. The organization is especially excited to share that 70 percent of these scholarships are for women in STEM.

The organization and scholarship efforts are supported by a network of STEM professionals, students, researchers, institutions, and entrepreneurs who operate in the DRC. Please see www.StemDRC.com for more information.

The STEM DRC Initiative was founded in part by Dr. Sandrine Mubenga, PhD, PE who was born in the city of Kinshasa in the DRC. After suffering a potentially lethal medical emergency as a young lady, because a hospital in Kinshasa, DRC had no electricity and no gas for the generator, Dr. Mubenga decided to dedicate her life to bringing electricity to her native country.

Dr. Mubenga completed her Masters and Doctoral work at the University of Toledo in the USA. During this time, she invented a hybrid hydrogen/electric car along with a hydrogen generating station that creates hydrogen fuel for the car from sunlight and air. She also helped invent the Bi-level Battery Equalizer for improved management of large-scale lithium ion battery banks such as are used in Automotive, Aerospace, and Solar Power Installations, and Utility Scale Solar PV Electrification projects. This patented invention reduces battery bank size by 30% and increases service life by 30% making products using lithium ion battery banks smaller, lighter, and more durable.

As Founder and CEO of SMIN Power Group LLC, Dr. Mubenga is working as an electrical engineer with interest in electrification projects up to and including those serving entire communities. She is also professor of electrical engineering at the University of Toledo.

 The STEM DRC Initiative is seeking partnerships with others of like mind and spirit to offer:

 1. STEM based online classes and tutorial that have plenty of DIY video for traditional students.

2. STEM based online classes for those who dropped out of school but are interested in STEM. Specially girls.

3. Virtual (Remote Online) classes where professor can be in one location e.g. USA, and teach a class located in the DRC.

Further, The STEM DRC Initiative would like to create STEM DRC centers in DRC where:

1. Children’s (students) and adults (teachers) can experiment with hands on activities, STEM classes.

2. Testing will take place for the STEM scholarship

3. Entrepreneurs in the STEM field can find the resources, mentorship and facilities to start their business with support of an incubator providing facilities for 3-4 small business startups.

4. Top notch lab spaces based on international standards can be created for collaborative research such as those sponsored by the NSF.

The mission of the STEM DRC Initiative can be summed up as follows.

"Our main concern is to find ways to foster the desire for engagement in STEM education, to find ways to maintain it in students and teachers, to encourage collaborative research in STEM fields, and to foster entrepreneurship in STEM industries. We believe that the STEM fields will empower Congolese to find solutions to problems faced in DRC, Africa and the world. “

Interested readers, media, or potential partners are invited to investigate further at [www.stemdrc.com](http://www.stemdrc.com) , [www.drmubenga.com](http://www.drmubenga.com) , and [www.sminpowergroup.com](http://www.sminpowergroup.com).