

ISSUE  
04

SEPTEMBER 2020



# AB4IR

## NEWS

**Innovation, Incubation  
and Technology**

Page 02 - Everything AB4IR

Page 05 - Technology

Page 06 - Animation

Page 08 - Gaming

Page 12 - Legal Section

Page 17 - Past Events

# | Everything AB4IR

## 3-day coding for females.

The Umbokoda programme was launched on 28 August 2020 at the Worldwide Women in Innovation, Incubation and Technology Summit (W-WIITS). The programme is aimed at empowering and encouraging women participation in the ICT sector. Our inaugural event under the Umbokoda programme was the 3-day window into coding session offered from 7 to 9 September 2020 with the aim to inspire and help young females learn how to code with hands-on interactive experiences. We had a total of 17 registrations but ultimately 6 committed participants managed to attend. Of the six (6) female coders that participated in the 3-day coding event, three (3) attended online and the other three (3) attended physically. The session offered an introduction to and the fundamentals of coding along with the basics of how to install and start their own program. As part of being the first females to attend the female coding program, all participants have been offered an opportunity to come to the AB4IR centre to make use of co-working space and for a deeper dive into learning about coding. They were also invited to apply for the business incubation programme to design and create their own application and software where they will be supported by AB4IR.

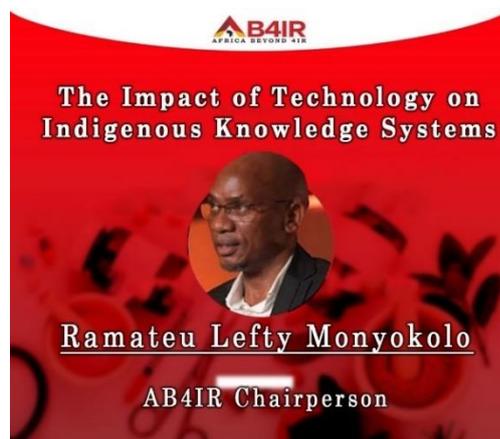


Participants and facilitator; Mr T Diseko



# Indigenous Knowledge Systems (IKS) Session/ Lekgotla

During this month, we held a session/lekgotla on the impact that indigenous knowledge systems have on us today in our everyday lives, where the topic was hosted by our Chairperson.

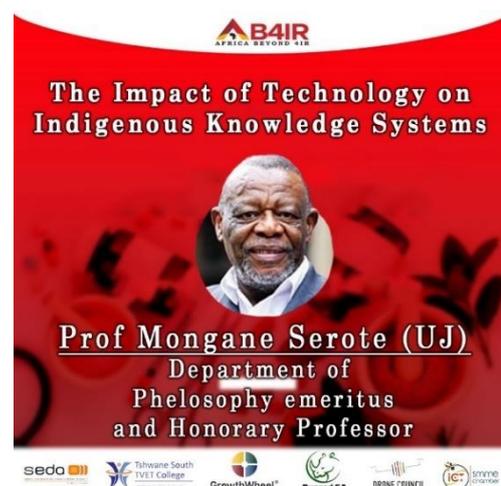


## Mr. Ramateu Monyokolo.

He spoke on traditions and how Africans used cultures that were passed down through generations on how ancestors could predict weather conditions and how herbs were used to combat specific symptoms and diseases. With the topic at hand he introduced the invited speakers, Prof. Mongane Serote and Ms. Mogomotsi Sekobe.

## Prof. Mongane Serote

Dove a little deeper with some differences that further went on to explain how technology could be used to further connect to one's roots and deliver a deeper understanding into traditions that were expressed. He also expressed how different the times are now as compared to when Africans used cultural means and rituals such as 'Coma' (rite of passage for a man) to teach boys how to be men.



## Ms. Mogomotsi Sekobe

Explained how there is a type of misconception when it comes to being a 'nnaka' (Traditional healer) and the fears behind becoming one. She also expressed her views and explained in depth, how the fear of becoming one has been painted as a nasty picture due to the way people would use these methods to advancing themselves and other times used to 'loya' (bewitch) other people so that one could have things go their way or to threaten others. To view this webinar, follow the link below.

<https://www.facebook.com/watch/?v=404681737599871>

# Animation Challenge

Animation is a field that is not as popular in South Africa as in the United States of America, Japan and some other countries. In search for those who have always had a passion for the creative art of animation and character design, AB4IR issued a challenge to all animators and character designers to create their own heroes, comic strip and animations. This challenge had the parameters of making a character who represented heritage or a uniqueness that people around the world have not seen yet. Those who accepted this challenge stand a chance of being part of the movement that AB4IR is pushing and will receive the following:

- 2-year business incubation opportunity
- Business development
- Coaching and mentorship
- Access to market
- Access to funding

Thank you to all those that submitted their entries. The process of selecting the winners is underway and the winners will be announced on international animation day, which is the 28<sup>th</sup> of October.



The poster features a vibrant, comic-book style design. At the top left, a red and yellow explosion graphic contains the text 'ANIMATION CHALLENGE'. To the right is the AB4IR logo, which includes a stylized 'A' with a map of Africa and the text 'B4IR AFRICA BEYOND 4IR'. Below the logo is an illustration of a female superhero with long, flowing yellow hair. The main text on the poster reads: 'AB4IR invites all animators to participate in an Animation Challenge. Theme: My Heritage. How to enter: • Should be a 1 minute animation clip • 2 page comic strip • Create a character of your own South African super hero. Closing date: 25 September 2020. How to enter: E-mail your submission to admin@ab4ir.org. Stand a chance to win: • 2 year business incubation opportunity • Business development • Coaching and mentorship • Access to market • Access to funding'. At the bottom, there are logos for several partner organizations: seda, Tshane South TST College, GrowthWheel, NEDF SA, DESIGN COUNCIL, and smme chamber.

**ANIMATION CHALLENGE**

**AB4IR**  
AFRICA BEYOND 4IR

**AB4IR invites all animators to participate in an Animation Challenge.**

**Theme:**  
**My Heritage**

**How to enter:**

- Should be a 1 minute animation clip
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- Create a character of your own South African super hero

**Closing date: 25 September 2020**

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E-mail your submission to [admin@ab4ir.org](mailto:admin@ab4ir.org)

**Stand a chance to win:**

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seda  
Tshane South TST College  
GrowthWheel  
NEDF SA  
DESIGN COUNCIL  
smme chamber



# | Technology

## THE BLACKMAGIC DESIGN ATEM MINI



Blackmagic Design has been making great video mixers for broadcast and the range has received good reviews from people who are using the product. The range came at costly price until now. Blackmagic Design has introduced a range called the ATEM MINI, an affordable range yet powerful video mixers. The range consists of 3 versions ATEM MINI, ATEM MINI PRO and ATEM MINI PRO ISO with prices ranging between R6 500 and R20 000. The ATEM MINI range gives you all the needs for a live streamer with the ability to input 4 cameras at 1080P 60FPS (Full HD). The Pro versions Of the ATEM MINI could give you a multi-view a feature that is not there in the normal one. This is a perfect tool for live streamer who wants to use their HD DSLR camera for live streaming and recording from different angle. The ATEM MINI includes 2 mic input which can be used to slot in your microphone and it has a delay feature in the software to make sure your audio matches your video input. A great device to buy for your video production/broadcasting.

- Sfiso Netshandama

# | Animation

## Should Your Film Be Animated or Live Action?

### What Is A Live-Action Movie?

When you think about The Lion King, do you think about Disney's beloved animated movie that came out in the 1990s in glorious 2D animation? What about The Mulan or Aladdin? Or do you think about their live action counter parts that have recently been released? A lot of people do not know what "live action" because most people just assume it is a non-animated movie. But in the modern sense, the term "live action" refers to both movies that have living beings in them and animated movies that are animated into our (human/earth/non-animated) living world.

Before you decide to make an animated film, here is a question to ask yourself:

### Does it have to be animated?

If the answer is no, then you might want to consider making it a live action movie instead.

Simply put, so many animated shorts that would have worked just as well as live action, which could make you think, it might have been a more productive show/movie making those films live action instead.

Making animated movies takes a long time, and it is so much harder than making live action, and yet, we still see animated films like that. Which means it can be done.

Animation does not have to be restricted to talking animals and fantastical plots. This is simply something for you to consider for your own sake as a filmmaker. Viewers might be more interested in your film if they get a chance to see something, they could not see somewhere else.

When we watch animation, we expect some sort of wonder. Even if your film is completely realistic, maybe consider a unique visual storytelling style that has some magic in it, to take advantage of the art form as much as you can.

Look at the latest Jungle Book or any of the other Disney live action remakes. There is a reason they were made as animated films back in the day. It is because there was no way to make animals look like that, so they had to make the whole film animated. But today it makes more sense to do a film like that with a real boy and a bunch of CG animals.

Some films though, like Finding Dory or the Secret Life of Pets would not work as live action, since the focus of the story is talking animals. There are exceptions, look at Pixar's The Incredibles or Up. Those movies could have probably worked as live action rather than animation. But they were FANTASTIC animated films non the less.

So, to end this short rant, just think about it. If you can make pretty much the same movie, you are thinking about making in live action, then do that. But of course, that is just my opinion, and a lot of animated shorts do feature realistic stories and they are still great films.

<https://www.blopanimation.com/should-your-film-be-animated-or-live-action/>

<https://howtoproducemovies.com/what-is-live-action-movie/>

For your interest here is a fan made upgrade to Lion king live action

<https://www.youtube.com/watch?v=2h3odp9Mwl8&t=157s>

## Aladdin



## Lion king



## Mulan vs Mulan



# | Gaming

Are you Xbox or PlayStation fan? Here is the minimum you are looking at paying for your console upgrades with the next generation.

With the options to choose from Console power or variety of games, take your pick but make sure that you choose wisely and according to your pocket.



XBOX SERIES X R11 999

and

XBOX SERIES S R6 999



PS5 Original R11 999

and

PS5 digital edition R9 999

Called the "next generation", targeting system supremacy, gaming behemoths Sony and Microsoft are about to go head to head with their latest offerings, PlayStation 5 and Xbox Series X. Battle lines have been drawn up as the rivals prepare for the launch of products whose heady technical specs and exclusive game catalogue mix have been carefully honed to keep the fan hordes loyal. With new consoles and associated range of services, Microsoft is out to get the jump on Sony which has shifted twice as many PlayStation 4 units as sales of Xbox One since their respective launches in 2013.

Here are how the two new game consoles measure up:

## DATE: MICROSOFT TO LEAVE THE BLOCKS FIRST

Microsoft's offering, which stylistically looks much like a PC, will leave the starting blocks first with a November 10 launch with pre-orders being taken from September 22. Sony is said to be offering "premium" and "digital" versions of its console. They consider different budgets with the premium model offering 4K media rendition via an Ultra HD Blu-ray player.

## SPECS XBOX FEELS THE POWER

For the Xbox design team, their product is "the fastest most powerful ever" console. The company's website urges fans to come in, fire up and "power your dreams". The kit, which affords potential 8K video capabilities, boasts a 12-teraflop graphics processor as compared with 10.3 for the PS5. In terms of memory, the two consoles are roughly even.

## SONY GOES ALL OUT ON CATALOGUE BIG HITTERS

In terms of exclusive titles Sony has always pulled out a top-drawer selection to coincide with its catalogue. The biggest include a sequel to Horizon: Zero Dawn, Marvel's Spider-Man: Miles Morales just to mention a few. When it comes to backwards compatibility, Xbox Series X buyers will be able to play games written for all previous consoles. PS5 buyers should be able to play +/- 400 games written for PS4, but not earlier machines.

# Games “dropping” 4<sup>th</sup> quarter of 2020



As gamers, we need to learn and accept that there are some things worth waiting for. A good example of that would be GTA V, that was released in September 2013 after its predecessor, GTA IV, a 2008 release. Right now, we face a more prominent foe called **push back** that gives us a glimmer of hope that a game will be release at a specific time and suddenly, its dropping 6 months later. Instead of giving our fellow gamers hype surrounding games that should have been released in September 2020, for example Cyberpunk 2077, we have decided to tell you games to look forward to in the last quarter of 2020:

- CYBERPUNK 2077
- SPIDER-MAN: MILES MORALES (PS5)
- STAR WARS SQUADRONS
- ASSASSIN'S CREED VALHALLA
- CRASH BANDICOOT 4: IT'S ABOUT TIME
- WATCH DOGS: LEGION
- DIABLO IV
- OVERWATCH 2
- CALL OF DUTY: BLACK OPS – COLD WAR
- EVERWILD (Microsoft)
- HYRULE WARRIORS: AGE OF CALAMITY (Switch)
- Fifa 21



FIFA 21



CHAMPIONS  
EDITION



<https://www.stuff.tv/features/most-anticipated-games>

<https://ewn.co.za/2020/09/17/price-launch-dates-games-playstation-5-duels-xbox>

by Thabang Diseko

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# | Legal Section



## South African Companies

All companies in SA are formed under the Companies Act of 2008.

The Companies Intellectual Property Commission is the body that governs all the registered entities in South Africa. Your business can therefore switch to other forms as it grows. The form of business that one desires is defined based on:

- The way in which business is controlled.
- Who takes responsibility?
- How is the capital formulated?
- How profits and losses will be shared in the business?

The forms of business that we have in South Africa are:

- Sole Proprietor/Proprietorship
- Partnership
- Private and Public Company
- Franchise
- Non-Profit Company

## What is a Sole Proprietary?

There is only one person who makes all the decisions, takes full responsibility of, and profits from the business who owns a business. All the liabilities of the business are for his/her attention. It does not exist separately from the owner (proprietor).

# Advantages of a Sole Proprietary

- The owner has full control in the business and takes the risk of any losses that the business may be faces with.
- There is little paperwork in the establishment of the business and there are no legal requirements.
- Decision making is quick because there are no major discussions that are involved.
- Sole proprietors can provide a personal service.

# Disadvantages of a Sole Proprietor

- Sole proprietors are liable for all debts.
- They might need to borrow money for the effective running of the business. The owner's personal property may be confiscated so that debts can be settled and
- The sole proprietor must invest enormous time into the business for its growth.

# | Around Africa

## South African Teenager invents alerting earpiece to curb human trafficking and GBV

Inspired by watching the news and research on the crime statistics in South Africa, Bohlale Mphahlele embarked on a mission to create a tracking device that could potentially stop the rise in gender-based violence and human tracking. With the click of a button, you will feel safer the relevant authorities will be alerted if you are in danger and the contacts that you have set up on your 'in case of emergency' contact list. To find out more about the earpiece, Follow the link below.

<https://omny.fm/shows/power-breakfast/teenager-invents-alerting-ear-piece-to-curb-human>



Bohlale Mphahlele

# KaiOS, Telkom Kenya unveils Kaduda T-Smart



According to the Digital 2020 report for Kenya, less than half of the population uses the internet (22.86 million people), and only 8.8 million are on social media.

The T-Smart enables Kenyans to access the Internet via 3G/4G/LTE and Wi-Fi, and comes with apps including WhatsApp, YouTube, Google Assistant, Google Maps, and Facebook.

KaiOS Technologies and Telkom Kenya announced a new KaiOS-enabled smart feature phone, the Kaduda T-Smart, to increase mobile internet access in Kenya. It also marks the first operator launch in Kenya for KaiOS.

According to KaiOS, the T-Smart is a significant upgrade of Telkom Kenya's feature phone portfolio and will help address the growing demand for competitively priced internet-enabled devices with affordable data packages.

Users can access other applications via KaiStore.

To read more about this, visit the link below.

[https://itweb.africa/content/lwrKx73K5aW7mg1o?utm\\_source=dailyEnews\\_leadLink&utm\\_medium=email](https://itweb.africa/content/lwrKx73K5aW7mg1o?utm_source=dailyEnews_leadLink&utm_medium=email)

# News Around the World

## 84-year old game designer



At the beautiful age of 84, Masako Wakamiya who wanted to create fun apps for senior people of her age. She learnt how to code at 81 and finally released her first app called Hinadan. She is the world's oldest iPhone app developer and shows us that there is no such thing as "I'm too old". If you put your mind to something that you feel passionate or inspired to do, just follow your gut and do it. As a side note, you need to remember one thing, there is no age to start doing something, all that you require is focus, persistence and perseverance.

To read more on her story, click the link below.

<https://www.japantimes.co.jp/news/2018/03/13/national/kanagawa-computer-programmer-82-recognized-worldwide-efforts-keep-seniors-digitally-engaged/>

# Past Events

**B4IR**  
AFRICA BEYOND 4IR

## SCREW UP!

With Kelekozile Moloyare

**Hilton Theunissen**  
MD and VP Global Partnerships at GrowthWheel South Africa

**GUEST**

25 September 2020  
14H00

Join the conversation Live on Zoom and Facebook  
Webinar ID: 895 4711 0239  
Go to [ab4ir.org/events](http://ab4ir.org/events) to register and receive updates.  
After registering you will receive a confirmation email containing the information about the webinar.

Zoom | Facebook LIVE

**B4IR**  
AFRICA BEYOND 4IR

## THE IMPACT OF TECHNOLOGY ON INDIGENOUS KNOWLEDGE & SCIENCE AND TECHNOLOGY

Is the impact positive or negative against our heritage tradition and culture?  
What is the connection between indigenous knowledge & science and technology?

24 Sep 2020  
14H00

**Prof Mongane Serote (UJ)**  
Department of Philosophy Emeritus and Honorary Professor

**Ramateu Lefty Monyokolo**  
Executive Director, ReRa & Associates Life Coach

**Mogomotsi Sekobe**  
Managing Director of Gopolang Conferencing and Events African Spiritual System Practitioner

To join the conversation live on Zoom, Facebook and YouTube  
Go to [ab4ir.com/events](http://ab4ir.com/events)

Zoom | Facebook LIVE | YouTube



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sedo | Tshwane South TVET College | GrowthWheel | Regard SA | DRONE COUNCIL | smme

**B4IR**  
AFRICA BEYOND 4IR

AB4IR in partnership with Optics Valley of China invites you to enter the 2020 China Optics Valley Global Entrepreneurship Competition.

**CRITERIA:**  
Legally registered  
Less than 3 years  
Science and Technology  
Idea stage (not yet operational)  
High growth potential  
Own Intellectual Property rights

**Closing date:**  
23 September 2020

Africa is part of the Belt and Road Division

For more information visit the website:  
<http://mega.3551.org.cn/mobile/>

**3551**  
CHINA OPTICS VALLEY  
AFRICA 4IR

**2020中国光谷3551创业大赛**  
2020 CHINA OPTICS VALLEY GLOBAL ENTREPRENEURSHIP COMPETITION

START UP WITH OPTICS VALLEY OF CHINA

比赛时间：2020年8-12月

- First Prize winner: 3 million RMB bonus + up to 20 million investment
- Second Prize winner: 2 million RMB bonus + up to 20 million investment
- Third Prize winner: 1 million RMB bonus + up to 20 million investment
- Excellent Prize 17 winners: The project fees will be offered a free fee to the winners for their business plan and offering letters after winning the award.

sedo | Tshwane South TVET College | GrowthWheel | Regard SA | DRONE COUNCIL | smme

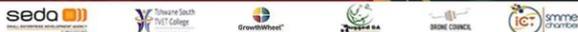


**PHOTOGRAPHY  
&  
VIDEOGRAPHY  
WEBINAR**

"An Introduction To The Art  
Of Pictures And Video Making."

29 September 2020  
12pm to 13:30pm

Register at [www.ab4ir.org](http://www.ab4ir.org)  
Join us live on Zoom and Facebook.

## Upcoming Events

- Animation development series
- Intellectual Property workshop for creatives
- Coding workshop
- International Mental Health Month: Coaching and Therapy Interventions for male entrepreneurs
- Breast Cancer awareness programs

## Our Partners

