

ISSUE
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AB4IR

NEWS

**Innovation, Incubation
and Technology**

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| Everything AB4IR

CEO's Message for October

We are thrilled to inform you that our centre is finally ready. Despite the challenges that came with working under the Covid-19 restrictions, we have finally managed to pull through. We cannot wait to start interacting physically with the start-ups so do go on our website and apply to be a part of our programme. We look forward to hosting our entrepreneurs, potential stakeholders and all our current partners as we inspire the generation of digital entrepreneurs to contribute and improve SA's economic growth and global competitiveness.

The Digital Hub boast an open-plan co-working area, hot desking, boardrooms, auditorium, maker spaces, fast uncapped connectivity, access to smart technology, designated areas for gaming, animation and virtual reality start-ups and, meeting and refreshment zones. We are proud to present to you a networking and creative space that encourages innovative out of the box thinking. We invite all Innovators/Inventors/Makers/Entrepreneurs with 4IR or Innovative ideas need to start their tech-based companies to be part of our programme.

In the month of October, we are pleased to report that we have managed to host a full day session with our funders where they were taken through various partnership/sponsorship options for both the hub and our start-ups. We also hosted the animation webinar on 28 October 2020 in line with World Animation day wherein in we announced the winners for the animation challenge that we ran in September. A big thank you to everyone that participated and congratulations to the winner.

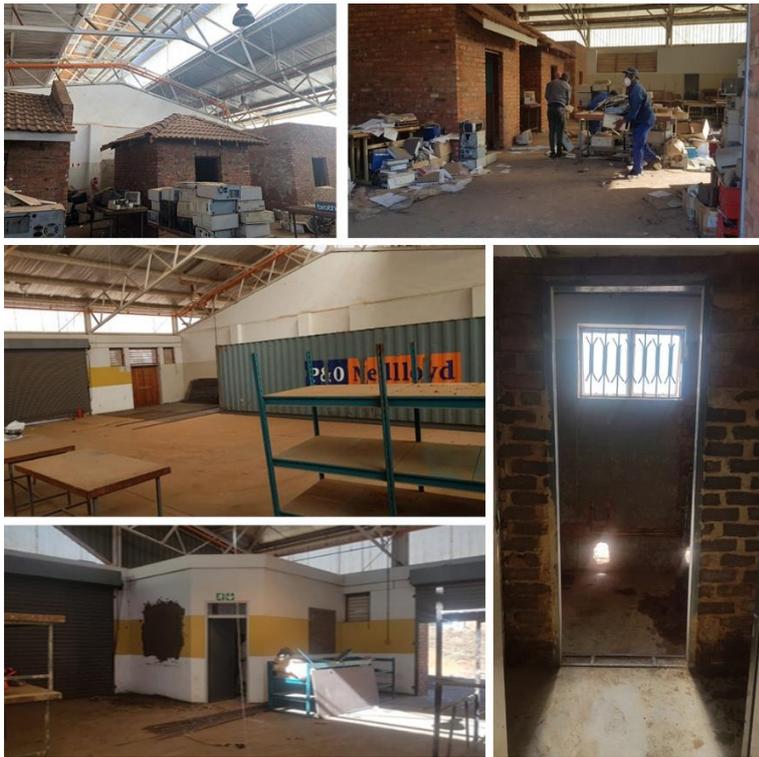


We are also thankful to Ms Thandiwe Mlauli: Founder and CEO of Studio Yezi and Mr Stephan Calitz: Head of Department: Animation Arts at Open Window who were our guest presenters on the day.

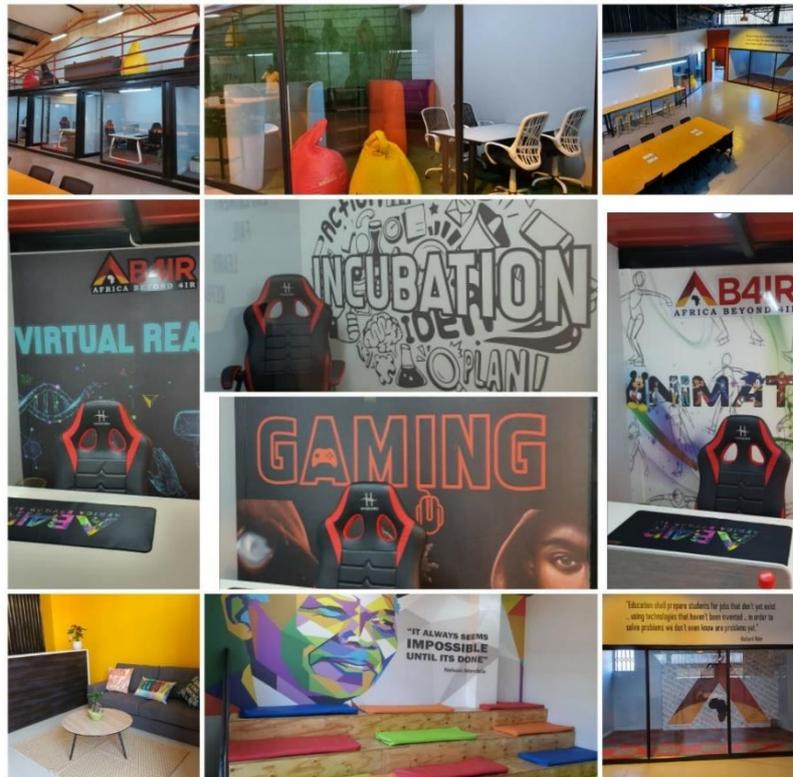
"With this new revamped digital facility, it is our hope that we transform the communities in Mabopane and surroundings into Africa's premier digital hub that will inspire new talent, create jobs and lead to an economic revitalisation," says Ms Kelebogile Molopyane, CEO of AB4IR.

On behalf of AB4IR team, I would like to take this opportunity to thank all our stakeholders who participated in our online programs and webinars during Covid-19, our funder Small Business Enterprise Agency (Seda) and the Tshwane South TVET for their support throughout. I now present to you, the new space for innovators and entrepreneurs in the gaming, I now present to you, the new space for innovators and entrepreneurs in the gaming, animation, virtual reality and drone economy, below are the pictures of our journey from revamping to building this amazing place.

Before



After



To stay abreast on #AB4IR news , opportunities and our upcoming events, kindly connect with us on social media on twitter @, facebook @ , Linkedin @AB4ir and Instagram @ and visit our website , or if you would like to communicate with us via email, kindly send us an email on admin@ab4ir.org we would like to hear from you , your suggestions and feedback are so important to us.

| Technology

iPhone 12



Apple refreshed its iPhone product line, introducing four new models.

All of the new iPhones are built around Apple's blazing fast A14 Bionic chip, support all flavours of 5G wireless connectivity, and are protected by a Ceramic Shield that protects the phone from damage after a fall four times better than in previous models. The Ceramic Shield may sound trivial to some people, but when you can improve the drop test performance of a smartphone by 4x, that's not a trivial achievement.

Future Proofing iPhone

Apple is coming to the 5G table after many of its rivals have been eating there for some time. Apple could not hold off on 5G much longer, despite the varying degrees of 5G availability and performance.

The four new models introduced by Apple are:

- iPhone 12 mini, with a 5.4-inch display (US\$699)
- iPhone 12, with a 6.1-inch display (\$799)
- iPhone 12 Pro, with a 6.1-inch display (\$999)
- iPhone 12 Max, with a 6.7-inch display (\$1,099)



The 12 and mini which will be offered in white, black, blue, green and red, could be pre-ordered from Oct. 16, for shipment Oct. 23. The Pro and Max, which are offered in graphite, silver, gold and Pacific blue, can be pre-ordered Nov. 6, for shipment on Nov. 13.

iPhone going for DSLRs

All the models have 12-megapixel front and back camera systems. The 12 and mini have dual systems on the back with Ultra-Wide (f2.4) and Wide (f1.6) lenses. The Pro and Max have a three-lens system on the back, with ultra-wide, wide and telephoto (f2.2) lenses. The Pro and Pro Max also have features appealing to professional photographers, such as Apple ProRAW. RAW is a photo format used by professional photographers. ProRAW integrates RAW photography with computational photography to give a photographer greater control of the images they capture.



Apple is really going after the professional camera market, the things you can do with computational computing are rivalling what you can do with the best DSLR cameras out there. Apple is not content with making a phone with a good camera, they want to make it your default camera.

All the phones also support Dolby Vision HDR video which is a really high-resolution professional format with the ability of shooting in 4K HDR and Dolby Vision, you will get the same kind of look and feel of a professional movie.



LiDAR

The new Pro and Pro Max iPhones also have LiDAR scanners. It measures the time it takes for light to travel to an object and travel back. With it, the iPhone can understand its surroundings and build a depth map of it. The technology is a tip-off of Apple's future for the iPhone. The LiDAR Scanner on iPhone 12 Pro and iPhone 12 Pro Max enables Night mode portraits and for more realistic AR experiences. By bringing LiDAR into the higher end iPhone models, it is a hint that they're getting closer to expanding what they're doing in AR. LiDAR can also be used to improve Night mode portraits and focusing faster in low light conditions.

<https://www.apple.com/iphone-12/>

| Animation



The International Animated Film Association (ASIFA) created the International Animation Day (IAD) in 2002, in honour of the birth of animation, recognized as the first public performance of projected moving images at the Emile Reynaud's Theatre Optique in Paris, on the 28th October 1892.

ASIFA coordinates and helps promote IAD celebrations all over the world, putting the art of animation in the limelight in a global worldwide celebration of animation. In recent years, this event has been commemorated in more than 50 countries, on every continent of the world.

Every day we witness the importance and beauty of animation in a variety of media, from 3D animation to special effects, on TV, the music industry, movies, internet and most specially, it develops and grows as an art form, through shorts, multimedia and feature films, created by independent authors/artists, students, and studios from all over the world.

Animation includes an impressive range of approaches, techniques and goals. Created by drawing, painting, animating puppets and objects, using clay, sand, paper and computers. Working with multiple narratives and non-narratives, reflecting a diversity of themes and performances, presented on a variety of platforms.

<http://asifa.net/international-animation-day>

AB4IR Celebrates Animation Day

On 28 October, AB4IR celebrated International Animation Day by hosting an Animation webinar. On the day we were joined by a long-time animator and lecturer at Open Window, Stephan Calitz. Mr Calitz who shared his insight depth on his view for animation.



ANIMATION WEBINAR



STEPHAN CALITZ

**Head Of School: Animation Arts
at Open Window**

"The most fun part is creativity
being the source of everything..."

We also spoke to the founder and CEO of Studio Yezi, Thandiwe Mlauli, who kept delegates on their toes about what you need to do to be an animator and kept it real about her journey into animation. She then told the attendees that the most fun part about being an animator is that she gets to see her work come to life.



ANIMATION WEBINAR



THANDIWE MLAULI

Founder & CEO at Studio Yezi

"You have to prove it to yourself,
if you want to do it..."

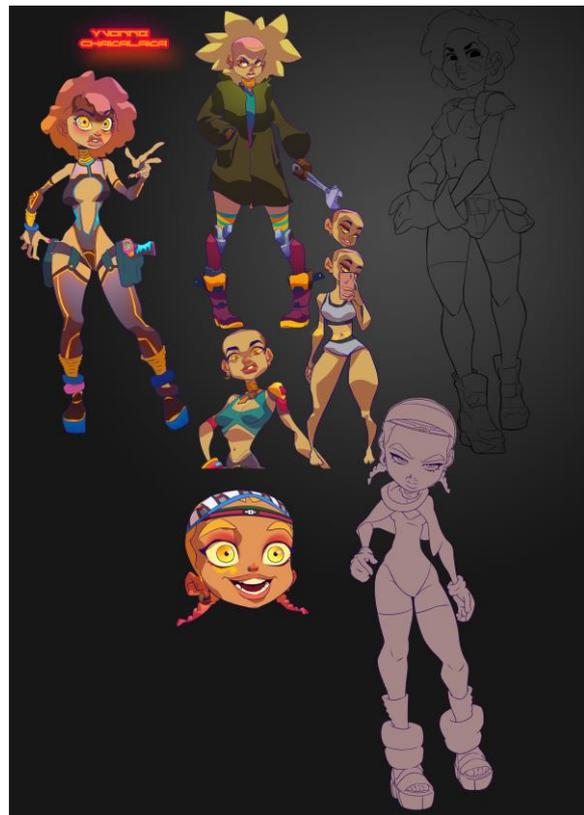
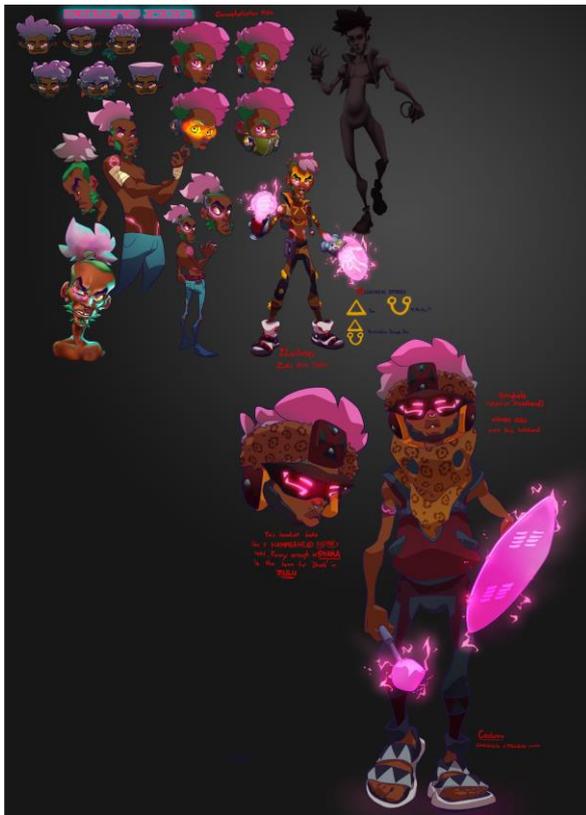
To watch the webinar yourself follow the YouTube link below

<https://youtu.be/JVRF8lcyrVM>

Heritage Animation Challenge: top 3

AB4IR recently ran the fantastic animation challenge that was calling upon all aspiring and talented designers to create a Two-page comic strips and creating the South African Superhero/Super Heroines. On this competition, designers were requested to create their own superhero/Superheroines, which represents and encapsulate South African culture, heritage and narrative. The challenge was launched in September during an important time in our country as we celebrated Heritage and Tourism month on the South African calendar. After receiving awesome entries for the competition, we are pleased to announce that the top 3 animators.

1: Zamokuhle Thusi



Final Charater Designs



2. Teboho Moreki



3. Sibusisiwe Mabaso



Our top 3 animators will be incubated and accelerated to access relevant markets and funding in a two-year business incubation package as the Challenge prize

This package comprised of the following:

- Business Development
- Coaching and Mentoring
- Access to the Market
- Access to funding

| Gaming

Watch Dogs Legion



Watch Dogs Legion continues to keep everyone interested with its intriguing "play as anyone" selling point. Set in a post-Brexit alternative future London, the latest entry in the Watch Dogs franchise sees you building your own personal team of Dedsec agents that you plucked and assembled from a whole range of different London citizens.

Watch Dogs Legion release date - When is it coming out?

While Watch Dogs Legion's initial release date was set for March 6, 2020, Ubisoft recently announced that on 29 October 2020 it will be released.

Watch Dogs Legion lets you play as anyone, and everyone's different

One Watch Dogs Legion's most interesting features is that it will let you play as anyone in the city of London

But many have been wondering just how this will work in practise. Well, Ubisoft dropped an explainer video talking about just that at Gamescom 2019, shedding light on the different kinds of people you will meet and how every character has their own unique perks, builds and abilities. Viktor, for example, is a "chappie" who will take less damage after he drinks four beers. Beer-swilling leads to damage resistance. Another character shown is Sue, a top-notch lawyer who can get your operatives out of prison, no questions asked. That sounds very handy. There is an old fellow who could randomly die at any moment, there's permadeath (no respawning) now.

Every character has their own origin story and after you help them solve a problem, they will then join your team and become playable. With a lot of variety and so many possibilities, it sounds like this will be jam-packed with all kinds of personalities.





Watch Dogs Legion gameplay - What do we know so far?

As explained in the Watch Dogs Legion E3 2019 preview, although hacking is still a huge part of the series, this time around it is much more about building a team of hackers. Instead of having a central protagonist, you are building a team of Dedsec agents, all of which you've handpicked from the London population.

In the game, you can literally recruit anyone that you see. Anyone in the world is playable. You can find them, look at their stats and traits, play their origin story, recruit them and then build a team to fight the resistance with them.



<https://www.ubisoft.com/en-gb/game/watch-dogs/legion>

<https://www.gamesradar.com/watch-dogs-legion-guide/>

| Legal Section



Partnership

This is an agreement (*verbal or written*) between a minimum of two and a maximum of twenty people (partners) who agree to work together and finance the business with the intention of making a profit. Contributions can be cash, skills and equipment that will be used in the business. A partnership can be ordinary, where the partners are known to the public or extraordinary in which instance the partners are not known to the public or outsiders. There can also be a partnership between two companies where the other company's specialization is needed, this is referred to as a *joint venture*.

Requirements

- There must be a partnership agreement, between the parties,
- The agreements must stipulate each partner's contribution and
- There must be an explanation as to how profit will be shared.

Characteristics of a partnership

- There must be an agreement or contract between the partners, which contract is a legal requirement.
- Each member makes a contribution and the capital is controlled by all partners.
- Profits are shared between the partners in proportion to their interest or investment.
- Each partner is taxed on his or her partnership profit share.
- Partners share responsibilities in the business and all will suffer if one of them makes poor decisions.

Advantages:

- Partners provide creativity, support and specialized skills to the business.
- It is easy to raise additional capital.
- There is shared responsibility in making decisions and managing the business and
- Since there is profit sharing, partners are motivated to work hard.

Disadvantages:

- The partnership will experience problems when one partner does not commit or invest.
- Partners are jointly and separately held liable for the business' debts.
- Poor decision making by one partner causes all of them to suffer
- Disagreements in decision making could hamper processes in the business.
- The partnerships become invalid if one partner leaves.

Groenewald S & Strydom H (new edition): _Financial Accounting

www.sars.gov.za

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

Liquid Telecom acquires data centres from Standard Bank



Liquid Telecom Group has completed its second largest acquisition of a state-of-the-art 4th TIER data center in Johannesburg from Standard Bank. Liquid Telecom and the Standard Bank Group announced that Liquid had completed its acquisition from Standard Bank of a Data Centre business owned by Africa's largest bank, for an undisclosed fee.

The data center business provides specialist services to Standard Bank and several banks in South Africa. It is considered the largest business of its kind in the whole of Africa.

Africa Data Centers (ADC), subsidiary of Liquid Telecom, was the buyer of the asset that strongly positions the company as it spreads its own wings into the rest of Africa. ADC has operations in South Africa and East Africa and is currently building in Nigeria and Ghana.

For more on this, visit:

<https://www.appsafrica.com/liquid-telecom-acquires-data-centres-from-standard-bank/>

Stripe acquires Paystack to accelerate online commerce across Africa



Today, more than 60,000 businesses in Nigeria and Ghana use Paystack to securely collect online and offline payments, launch new business models, and deepen customer relationships. Incredibly, Paystack already processes more than half of all online transactions in Nigeria. Paystack has ambitious plans to expand across the continent and recently started a pilot with businesses in South Africa.

Stripe and Paystack have been working closely together for some time now and in 2018, Stripe led Paystack's Series A funding round and has provided ongoing guidance as the company rapidly scaled.

Follow the link below for more information.

<https://www.appsafrika.com/stripe-acquires-paystack-to-accelerate-online-commerce-across-africa/>

News Around the World

Zoom's Got Game for Poker Players



How to Play Poker on Zoom:

With social distancing being the new norm, and despite casinos opening, we cannot really be 100% safe while playing. This challenge has created a new trend for many enthusiasts — playing poker on Zoom! It sounds a bit overkill at first, but it is not and has its own merits for many players.

To start playing poker on Zoom, you only need a platform where you can play online private games. PokerStars, 888 Poker, Poker Now, and Easy Poker are four excellent platforms that you can use for playing. Once you have the options set up for the games, you can start a Zoom meeting and start playing!

Playing poker on Zoom is straightforward but choosing the right platform can be challenging. There are a few steps that you need to take to start your games, including some poker platforms that you can use.



<https://pokerfortress.com/poker-on-zoom-guide/#:~:text=To%20start%20playing%20poker%20on,Zoom%20meeting%20and%20start%20playing!>

HP Omnicept



Video conferencing has become popular these days all because of the COVID-19 pandemic. Virtual reality (VR) promises you a world away from the doom and gloom, just by putting on a headset. You could meet friends and co-workers in a virtual world you can manipulate. HP has taken a big step to bring that virtual meeting space to reality. Virtual reality fans will be able to put on some hardware, create a new identity, and meet up in the virtual world. HP has already modified its second-generation reverb headset, equipped with high-resolution screens (2160 x 2160) for each eye and a Valve-designed speaker for audio clarity.

There are four built-in tracking cameras as well as 90% coverage to give your arms full range of motion when you are in action. The Omnicept also adds eye-tracking technology that can translate expressions and heart rate to monitor the user's health and stress levels. The company has even partnered up with Nvidia and the Omniverse Machinima effort so that the user is able to create a virtual environment using game resources.



<https://www8.hp.com/us/en/vr/reverb-g2-vr-headset-omnicept-edition.html>

<https://youtu.be/cZHie7Dj2AA>

Past Events

AB4IR
AFRICA BEYOND 4IR

ANIMATION WEBINAR

**"Becoming an animator
and it's challenges."**

28 October 2020
12:00pm to 13:30pm

Zoom ID: 860 3530 6975
Facebook: AB4IR
Youtube: AB4IR

Join us live on Zoom, Facebook and Youtube.
Go to ab4ir.org/events to register and receive updates.

YouTube

Upcoming Events

- 16-19: Global Entrepreneurship Week (GEW)
- 19: International Men's Day November program.
- 30: Screw up session

Our Partners

SMALL ENTERPRISE DEVELOPMENT AGENCY
an agency of the dti

Tshwane South
TVET College
"achieve the future"

GrowthWheel®
CERTIFIED PARTNER

DRONE COUNCIL
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