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India ready to board the 5G Bus at 5G India 2019



The first day of the 3rd edition of the 5G India 2019 International Conference & Exhibition kicked off in Mumbai on 26th June 2019. This definitive platform brought together India's telecom industry leaders, top-level executives, decision makers and telecom analysts under one umbrella to discuss on the issues and opportunities related to the deployment of 5G, high-speed digital applications, and how such a technology could usher the country into 'New India'. The event was organised by BE Expositions Pvt. Ltd. which constantly strives for being the finest organiser of focused IT Telecom events in the country.

5G would be an important event of India's drive to create smart cities, smart agriculture and transform highways and transportation. Railways which are now demanding high speed quality communications for control and signalling of trains, as well as high capacity communications for passengers will also be a driver for the development of 5G technology.

After the inauguration of the 5G Exhibition by Prof. Bhaskar Ramamurthi, Chairman, TSDSI & Director, IIT Madras, followed the CXO Round Table, the main attraction of the event, which covered Key 5G Learnings from past 12 months – Global Trials including India, was chaired by Mr. Adrian Scarse, CTO, ETSI. The bigwigs of the industry who are involved in every step of mobile broadband deployment from network strategy to service delivery and those who believe that India has the potential to emerge as a leader in 5G standardization, included the following speakers: Mr. Shyam Prabhakar Mardikar, Group CTO – Mobility, Reliance Jio; Mr. Andreas Sommer, Team Leader & Senior Technical Advisor, India-EU Cooperation on ICT-Related Standardisation, Policy & Legislation; Mr. Ravi Gandhi, Chief Regulatory Officer, Bharti Airtel; Ms. Danielle Royston, CEO, Optiva Inc; Mr. Tim Ti, CEO and Director, UTStarcom Inc.; Mr. Parag Kar, VP, Government Affairs, India & SA,

Qualcomm; Mr. Pradeep Bhardwaj, Sr. Strategy Director & Head, Industry Standards, Syniverse; Ms. Pamela Kumar, Director General, TSDSI & Task Force Chair, Application & Use Case labs, 5GHLF; Mr. Ravi Shankar Rai, Managing Director, Savitri Group; Mr. Koo Eng Wei, Director of Technology – CTO Office at VIAVI Solutions; Mr. Amit Marwah, Head of Marketing & Corporate Affairs, Nokia India.

Mr. Vishant Vora, Director – Technology, Vodafone Idea Limited, while agreeing with Ms. Danielle Royston, CEO, Optiva Inc, on virtualisation said, "Virtualisation is fairly common now. In our case, i.e. Vodafone Idea, more than 50% of our packet core capacity is on the cloud."

The Theme for the second day of the mega event 5G 2019: The Catalyst to Digital Revolution in India, was introduced by Mr. T V Ramachandran, President, Broadband India Forum & Chairman, 5G India Conference Committee. In his opening statement Mr. Ramachandran averted, "I am elated to see such a noteworthy presence of the audience with one and all from the telecom industry. We are all awaiting the quick arrival of 5G as it will not only curb the speed issues but also will engage various industries and bind them together. This is just the beginning, as soon as 5G is in, we will work towards our next big goal of welcoming 6G to the country.

"We should not miss the bus", said Mr. Anshu Prakash, IAS, Additional Secretary (T) Department of Telecommunications Govt. of India while he was emphasizing, how significant is the entry of 5G in India. India has huge potential with great brains. Going forward 5G will be an important application as it clearly stands out to be the best solution for the socio-economic upliftment of the country."

Interesting topics were brought to the table by distinguished speakers like: Mr. Adrian Scarse, CTO, ETSI, Shri P K Purwar; CMD, MTNL, Mr. Sanjay Mashruwala; Managing Director, Reliance Jio,

Mr. Balesh Sharma; CEO, Vodafone Idea Limited, Mr. Gopal Vittal; CEO, Bharti Airtel India; Mr. K S Rao, CEO, Sterlite Technologies;

The Special Guest of Honor, Prof. Bhaskar Ramamurthi, Chairman, TSDSI & Director, IIT Madras stated that, "Many roadblocks have been identified in the spectrum space with lot of trials in organised, structured manner. Today spectrum is in good shape. The need of 5G has been known for quite a few years, now that everything is moving in a positive direction, we should expect the best to ring in and pull this on."

The post lunch sessions witnessed thought provoking topics like: How 5G can play crucial role in Agriculture, Healthcare, Smart Cities and other industries' growth in India?; The 5G Success in India: A Collaborative and Systems Approach to Innovation; How the 5G revolution will drive future innovations of IoT; How to design a strategy that will allow end-to-end security for critical services such as transport and logistics, health and social care, industry 4.0 and rural connectivity solutions

The Panellists highlighted the need for 5G on the back of a booming demand for data fueled by multiple emerging applications in IoT, big data, AI (artificial intelligence) and HD/4K/3D media. With users demanding connections anytime/anywhere, 24/7 and the worldwide monthly data traffic predicted to reach 50 petabytes in 2021 or over ten times the traffic in 2018, it is only a 5G network which will be able to efficiently support the high throughput with low delay in communication and high reliability across a large number of heterogeneous connected devices.

In his valedictory address, Mr. Yaduvendra Mathur, IAS, Special Secretary, NITI Aayog, observed that, "the objective of the 5G India 2019 Conference was to spread awareness of the capability and benefits of 5G to any and all sectors be it education, agriculture, manufacturing or health to attain the goals of Digital India as per the vision and mission of the Government of India and we have been able to do justice to this objective."

The event concluded with a Vote of Thanks by Mr. Shashi Dharan, Managing Director, BE Expositions Pvt. Ltd. who maintained that, "As an event organiser, I feel that the ecosystem is perfect for the rolling out of 5G as we have had the policymakers, the standardisation body, the entire telecom fraternity all geared up together to discuss and see the positive outcome of 5G soon by November 2019."

The telco's can now make best use of 5G for cross-industry applications & digital transformation and operators can manage the cost of unbridled traffic growth and exploit opportunities to capture sufficient revenues and generate a return on their 5G infrastructure investments.



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Government's vision for a technology-driven technologies will take India to next levels

Debasish Mukherjee, Country Director, India & SAARC, SonicWall.

The Union Budget provides a great boost to the MSMEs which is a growing sector. The key focus on digitization and rural inclusion indicate the dependence on technology for fuelling the growth of the Indian economy. To this end, it is imminent that a strong policy framework that regulates cybersecurity be implemented for protecting such enterprises from cyber threats and attacks. It is increasingly important now, that at a time when MSMEs are under the radar to be completely digitalized and with the Government's focus on Digital India, it is apparent that more needs to be done for enforcing cybersecurity measures."

Aakrit Vaish, Co-founder and CEO, Haptik

The demand for specialised skillsets in niche technologies like Artificial Intelligence and Machine Learning has increased drastically. The government has recognized and addressed this schism by pledging to train 10 million youth in industry relevant skills like AI, IoT and Big Data. We, at Haptik are also constantly empowering the developers and enthusiastic engineers to build next-generation conversational AI on a daily basis. We are delighted to see that our government is also putting efforts to improve the skills of our youth in newer areas such as Artificial Intelligence, Big Data, Robotics. **Pankaj Muthe, Program Manager, Academic Program, APAC, Qlik**

"The government's continued push to improve the quality of higher education in India is extremely commendable. The allocation of INR 400 crore to create a world-class higher education ecosystem in the country will definitely improve the quality of talent that joins the workforce. The focus on the amplification of skills in new-age tech domains such as AI, IoT, Big Data, and Robotics will also help to address the severe skills shortage that businesses across India are facing at present, apart from opening newer avenues of career growth for Indian professionals. The government should also make stronger efforts to incorporate data literacy training at the grassroots level and incentivise organisations to launch data literacy training initiatives for their employees. Doing so will equip current and future Indian professionals with the required knowledge and competencies to navigate the data-driven world of tomorrow."

Anand Ramachandran, CFO, Ingenico ePayments India Private Limited

"This budget is a good synthesis of continuing the Digital India mission with improving efficiency. The proposal to set up a payment platform for MSMEs for online presentation and payment of invoices will not only help cash flow but also give a huge boost to Digital Payments, as the entire supply chain will now be incentivized to go Digital. Also the platform opens up possibilities for accessing lower cost funding. The other two moves for no MDR for businesses above 50 crores turnover and 2% TDS on cash withdrawals more than 1 crore per annum are a further nudge to industry to lower the entry barrier to Digital Payments and disincentivize use of cash. Overall, a positive budget for the payments industry."

Sudeshna Datta, Co-founder & Executive Vice President, Absolutdata

"We are happy with the government's vision for a technology-driven economy that prioritizes emerging technologies as the prerequisite for future growth. From promoting digital payments to training millions of youngsters in emerging technologies such as AI, Data Analytics and Machine Learning, and soft skill such as foreign language training, the initiatives are focused on empowering the future workforce with a 'global-first' perspective. This will significantly strengthen India Inc.'s capabilities for the future. Moreover, the allocation of INR 400 crores to develop world-class institutions focused on research and innovation is a huge step towards transitioning India from a service-focused economy to an innovation-driven one. Additionally, the Hon'ble Finance Minister's focus on women empowerment, by adding not just women-centric policies but propagating women-led initiatives, both in rural and urban areas, is a huge positive. Along with its proposal to form a dedicated committee to encourage their participation, the extension of the Stand Up India programme for another 5 years will be a key factor in enabling women entrepreneurs."

Varoon Rajani, Co-founder and Chief Executive Officer, Blazeclan Technologies

Varoon Rajani, Co-Founder and Chief Executive Officer at Blazeclan Technologies, spearheads the

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strategic goals of the company and is instrumental in constructing the company's future roadmap. His leadership shines through when building winning teams with unflinching focus on delivering trustworthy and dynamic solutions to customers. He is thriving to keep innovating, remain customer obsessed, and be a leading born-in-the-cloud provider for customers around the globe.

Varoon has a proven track record of running successful businesses while building and developing teams from scratch. With his leadership skills, he has been able to enable businesses to transform leveraging cloud, automation & analytics solutions. A young leader with an ability to build, guide and direct an enterprise through strategic leadership, delivering outstanding performance, generating higher revenues and ensuring customer success.

rrior to laying the foundation of Blazeclan in 2010, Varoon has worked with multi nationals like Infosys Technologies and Tata Consulting Services on large scale ERP Implementation and Upgrade Projects. Varoon also had been a visiting faculty at Symbiosis International University for a few years.

Recently Varoon became a member for NASSCOM SME Council (2019-21), one of the influential forum created to help tackle some of the challenges being faced by the SME sector. It further intends to increase the overall revenue of the sector in order to establish footprint globally.

Varoon hold degree in Bachelor of Engineering (Computer Technology) from Nagpur University and lives in Singapore with his wife and a son and prefers spending free time with his family. He also enjoys reading, watching TV and traveling.

Abhishek Kumar, Regional Director, South Asia, Oncam

The Government has earmarked Rs. 50 lakh crore for the development of railway infrastructure. A sizeable part of it will be diverted towards avant-





garde surveillance solutions for smart management across railway stations as well as various nodes in railways. The Union Government's focus is also on rural infrastructure expansion and we believe that

surveillance will be an integral element in this development. Another key takeaway for the surveillance industry is that the Government also has a positive view towards the Artificial Intelligence technology and will be promoting indigenous research and development around AI, Big Data, and Robotics. Further, it has taken a slew of measures aimed at the Indian startup ecosystem, who will be looking towards the AI technology and security for development of high-end products and ensuring seamless processes. We appreciate the Finance Minister and her team for meticulously balancing all dynamics to bring about favourable market results."

Anjali Amar, Country Manager, Verizon Enterprise Solutions

"We welcome the Union Budget's focus on closing the technology skills gap in the face of disruptive technologies such as Artificial Intelligence (AI), Big Data, and Robotics. The economic and societal benefits that these technologies are poised to deliver means that it is imperative to reskill India's IT workforce. This will ensure that tomorrow's IT executives will be armed with the necessary knowledge to future-proof India's digital future. We are also pleased to note the Government's initiatives in promoting digital payments. This is a recognition that digital payments sector is no longer considered niche and is crucial for the digital transformation of India. As India strives towards a digital and cashless economy, the Government should also continue to strengthen its cyber-security framework. A robust data protection system which is technology-neutral and based on international norms with principles of transparency, accountability will be the catalyst to fuel investment and innovation in new services."

Sriram Srinivasan, Co-Founder & Chief-Strategy Officer, iValue InfoSolutions India Pvt. Ltd

"India joining the big league with \$3Trillion



economy during the year is heart-warming. With the potential for the next couple of decades in front of us, it is going to be exciting times for all based out of and focused on Bharat", says Sriram S.

Interim budget stole the limelight on popular front being just before the elections. Hence the scope for more SOPs were limited with challenges to lower tax col-

lections and lower growth issues. With limited options the government did try to send positive signals for reviving business growth and enhance consumer spending.

Good to see focus and thrust on basic needs like water, electricity, clean cooking medium in rural areas. 25% corporate tax for business up to INR 400 Cr is a great relief to all growing entities providing employment. INR 70,000 Cr capital infusion into government owned banks this year to boost credit along with boosting capex on Digital initiatives Pension benefits to INR 3 Cr retail traders and shopkeepers whose annual turnover is upto Rs. 1.5 Cr is a good move.

The MSMEs, an integral part of India's economy, has witnessed a better allotment of funds. Loans up to INR 1 Cr for GST registered MSMEs on fresh or incremental loans @2% interest will help in growing business at affordable costs. 1.5L deduction on affordable homes and EV should help in boosting domestic real estate sentiments along with promoting green commute.

Deval Seth, Managing Director, Giesecke & Devrient

Budget 2019 under the regime of Modi 2.0 is



a promising agenda bracing some of the key economic challenges while accelerating the growth path for the economy. Building India into a \$3 trillion economy this year may seem ambitious but is still not a farfetched

dream with the kind of results India has shown on the economic front in the recent years. Technology, digitisation, and modernization will have a great role in pulling up India to a \$3 trillion economy this year. For instance, as more devices get connected, the market for eSIMs is set to explode in India in areas such as connected cars, manufacturing and consumer durables. The government's move to lower the GST rate on electric vehicles(EV) from 12% to 5% and to make EVs affordable for consumers with additional income tax deduction will bring connectivity to the vehicles and G&D sees India strongly moving forward on the eSim journey which has been adopted globally.

On the digitisation front, the National Common Mobility Card launched by PM Modi in March and the levying TDS of 2% on cash withdrawal exceeding 1 crore are critical initiatives which will help bring a behavioral shift among people and will go a long way in fostering the digitisation agenda.

G&D strongly believes India is at an inflection point and when we are talking about growth, we are talking connectivity and technology, however the budget did not showcase enough of key sectors like telecom and technologies like 5G. While the government showed interest in emerging technologies like AI, robotics and big data, we need to understand that India will need 5G to harness the full potential of the latter. Having said that we are very confident that the government will speed up the ground work in embracing 5G

Piramal, Chairman, Piramal Group

"The Union Budget 2019 is marked with a long term 10-year vision while retaining focus on

the immediate priorities. The government's roadmap to position the economy for future sustainable growth will resonate with both domestic and international stakeholders. India now approaching the



global markets to raise sovereign debt, indicates the country's readiness to be sized amongst the best in the world. This is a huge vote of confidence in the economy and its trajectory.

The focused impetus for sustainable job creation via targeted investment in infrastructure projects and other productive sectors of the economy, will have a cascading effect on secondary and tertiary employment. The mission to provide housing for all by 2022 has the potential not just for growth in downstream sectors such as cement and steel but also for overall job creation in these crucial industries.

We are happy to see the government signal its confidence for a well-financed, robust NBFC sector through the one-time six-month partial credit guarantee. This development would be an important milestone for the NBFC sector that is crucial for the sustained growth of the economy. We welcome the regulations and norms that have been proposed by the Finance Minister on the NBFC sector that would raise transparency and reinstate trust in this vital sector.

The detailed plan of action provided in this budget to address long standing issues like a deeper debt market by invoking higher foreign participation will certainly help in lowering the real borrowing costs of India Inc. and help revive the momentum in private investment.

The move to encourage higher participation of FIIs and FPIs in debt securities would provide the much-needed capital boost which would in turn, support real estate and automobile sectors that are currently suffering from dampened demand. In addition, the proposed social stock exchange is an innovative approach to raise funds for institutions committed to improving the wellbeing of larger masses. The government has tabled a growth-positive budget and I look forward to see its impact unfold in the coming months."

Surojit Shome, CEO, DBS Bank India

"The Union Budget reiterates the Government's



intent to accelerate digitisation in the economy. Incentivising digital transactions through measures such as a 2% levy on cash withdrawals from bank accounts above a cumulative one crore

per annum threshold and reduced merchant discount rates can structurally change adoption levels. Additionally, encouraging measures for start-ups should boost digital entrepreneurship as well as efforts to increase digital literacy particularly in rural India will strengthen the Digital India transformation process."

Akash Nangia, Co- Founder, Techjockey

The announcement to ease the much talked about angel tax is a big breather for SMBs. Further, there is a proposal to reduce the corporate tax by up to 25% for companies with a turnover of Rs 400 Cr. This will surely bring a huge relief for start-ups, such as ours.

What comes as a pleasant surprise for us is the government's announcement for faceless income tax assessment in electronic mode. It will play a significant role in reducing the hassle of taxpayers.

Manjula Muthukrishnan, Managing Director, Avalara Technologies Private Ltd

"With the union budget, our Finance Minister Nirmala Sitharaman announced that the government is considering further simplifying the current GST regime with the new GST return system, fully automated GST refund module, one instead of multiple tax ledgers, and a central system for capturing invoice data. It is commendable that as a nation, we are looking at regulations that will drive businesses towards digitization and process automation to ensure greater levels of tax compliance. Also, the way concerns about GST are being addressed by the government makes the road ahead promising. It is now time for corporations to gear up, auto-

mate their processes and be ready for upcoming changes, in order to be GST compliant. This is especially important for large enterprises since they cannot risk their industry reputation by getting flagged due to non-compliance."

Marthesh Nagendra, Country Manager – India & SAARC, NETGEAR

"Government's target to make India a \$3 Trillion dollar economy is a welcome move as it increases the GDP and spending power. The increased spending on high tech education and high emphasis on digital India will increase the demand for IT products. We feel extremely optimistic as the budget is quite inclusive this time."

Kaspersky extends cooperation with INTERPOL in joint fight against cybercrime



Kaspersky, a global cybersecurity company, and INTERPOL have signed a new five-year agreement to reinforce their collaboration in the fight

against cybercrime around the world. This is the second agreement between the two parties following the first signed in 2014.

On July 3, Eugene Kaspersky, CEO of Kaspersky, and Tim Morris, Executive Director of Police Service at INTERPOL, signed a contribution agreement under which Kaspersky will provide human resources support, training, and threat intelligence data on the latest cybercriminal activities to INTERPOL, strengthening the organization's cyberthreat hunting capabilities. The signing cere-

mony took place at INTERPOL World 2019, which is currently underway in Singapore.

This cooperation strengthens the existing relationship between the two organizations, ensuring information and technology sharing can support INTERPOL in cybercrime-related investigations. Within the new agreement, Kaspersky will share information about its cyberthreat research and provide the necessary tools to assist with full digital forensics, aimed at strengthening efforts on the prevention of cyberattacks.

Kerala Govt. to set up India's first Space Park



The Kerala Government will set up the country's first state-of-the-art Space Systems Park at the Knowledge City in the state capital to attract global startups working in space sector and also make it as a major manufacturing hub for space-related technology, research and development.

Dr APJ Abdul Kalam Knowledge Centre and Space Museum, to be developed by Vikram Sarabhai Space Centre (VSSC), a major centre of ISRO, as a befitting memorial to former President and top space scientist, will also be located at the sprawling site, as part of the overall infrastructure of the Space Park.

The State Government has issued orders to make Dr APJ Abdul Kalam Centre and Space Museum part of the Space Park and to allot the land required for the facility. This will be an added attraction to the Space Park and the entire investment will be made by the VSSC.

The Government will transfer 20.01 acres of land as lease to the Kerala State Information Technology Infrastructure Ltd (KSITIL) to develop the Space Park at the Knowledge City within the Technocity as an international space technology ecosystem. Of this, 16.07 acres, now having SEZ status, will be de notified by KSITIL. The land belongs to Technopark.

The project will be implemented by the Electronics and IT Department, Government of Kerala.

Primarily a manufacturing hub for companies using GIS and other data systems, the integrated complex will also have startup incubator, accelerators including Airbus Bizlab, skill training systems and production units.

KSITIL, the agency mandated to develop IT infrastructure in the state, will hand over required land to ISRO to set up Dr APJ Abdul Kalam Knowledge Centre and Space Museum, through a lease agreement. A Government Order (GO) has already been issued in this regard.

The Government had earlier allotted 1.75 acres of land at Kowdiar in the city to VSSC, a major centre of ISRO, to develop Dr APJ Abdul Kalam Knowledge Centre and Space Museum. Later, VSSC informed the Government of the restrictions in taking up world class constructions on that land imposed by the Kerala Art and Heritage Commission, and requested for an alternative site for the project.

SonicWall's Roadshow helps Customers and Channel Partners

SonicWall recently concluded its road show across Mumbai and Delhi to help its channel partners and end users to understand the various facets of cyberthreats and how best to implement counter measures.

The roadshow comes at a time when SonicWall's patent pending technology Real Time Deep Memory Inspection (RTDMI™) identified over 74 thousand never-before-seen attacks just the previous year. This number has already been surpassed in the first quarter of 2019 with more than 173,000 new variants detected. There were 115 participants from 80 customer organisations and 145 participants from 92 channel partners. The roadshow covered topics such as: Introduction to SonicWall Security Platform, Capture Cloud Platform, SD WAN, and Wireless Security.

Speaking on the roadshow Debasish Mukherjee said, "SonicWall is an industry pioneer known for offering best-in-class security solutions. Given our expansion into newer markets, especially tier-2 cities, it becomes imperative for us to keep our customers and partners abreast on the latest aspects of countering cyberattacks. The overwhelming response to the roadshow provided us with a perspective on how we could better support our partners and customers 24x7 in addressing the challenges posed by cyberthreats."



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Apple names Sabih Khan senior vice president of Operations

Apple announced that Sabih Khan, a 24-year Apple veteran, has been named to the company's



executive team as senior vice president of Operations. Khan has played an important role in delivering each of Apple's innovative products to market since the late 1990s, leading key product operations and supply chain functions. He continues to report to Jeff Williams, Apple's chief operating officer.

In his new role, Khan will be in charge of Apple's entire supply chain, ensuring product quality and overseeing planning, manufacturing, procurement, logistics and product fulfilment functions, as well as Apple's supplier responsibility programs that protect and educate workers at production facilities around the world.

"Sabih leads our Ops team with heart," said Tim Cook, Apple's CEO. "He and his entire worldwide

team are committed to delivering unmatched experiences to our customers, treating workers everywhere with dignity and respect, and protecting the environment for future generations." "I've been privileged to work with Sabih for more than 20 years, and you won't find a more talented operations executive anywhere on the planet," said Williams. "He is a world-class leader and collaborator, and I have no doubt that he will be the best leader of the Ops team in Apple's history." The Operations team is responsible for driving scale across the global supply chain and accelerating manufacturing innovation, including developing and scaling a new aluminium alloy that enables the use of 100 percent recycled aluminium in MacBook Air and Mac mini enclosures without compromising quality. The team also supports Apple's environmental initiatives by partnering with suppliers to propel green manufacturing, helping conserve resources and protect the planet.

Quick Heal Technologies Granted US Patent for Anti-Ransomware Technology

Quick Heal Technologies, one of the leading providers of IT Security products and solutions



to consumers, businesses and Government, has been granted a patent for its ground-breaking Anti-Ransomware Technology by the United States Patent and Trademark Office (USPTO). Post the patent approval, Quick

Heal has become the first Indian company to indigenously develop and be awarded a patent for anti-ransomware technology.

The US patent grant adds to Quick Heal's 25-year legacy of designing future-ready solutions aimed at providing best-in-class protection against sophisticated cyber-threats to individual users, enterprises, and governments. Designed and developed by Quick Heal's state-of-the-art R&D and innovation center in Pune, the AI-powered Anti-Ransomware Technology further underlines

its commitment to delivering the most advanced and innovative security solutions.

The need for an AI-powered anti-ransomware Ransomware have evolved over the years to avoid signature-based detection and, therefore, can easily sneak past traditional security measures. These attacks accounted for 23% of over 973 million malware attacks on end-user devices across the country in 2018 alone, according to the latest annual Quick Heal Threat Report.

It is against such a scale and intensity of ransomware threats – which far surpasses the preventive capacities of traditional security solutions and human-only teams – that Quick Heal's powerful anti-ransomware technology enters the fray.

Powered by Artificial Intelligence and Machine Learning at its core, Quick Heal's state-of-the-art Anti-Ransomware technology uses signature-less behavioral detection to proactively block new and unknown ransomware attacks in real-time. Its unique and advanced algorithms conduct focused activity-based detection, while also empowering users to recover their critical data in case of a breach.

RP tech India – Logitech Celebrate 20 Years of Partnership

RP tech India and Logitech marked two decades of their collaboration in the ICT industry. The partnership started in 1999, has grown to be one of the strongest and longest partnership. Both Logitech and RP tech India have contributed extensively in the growth and expansion of their respective businesses over the last 20 years.

Highlighting the essence of this successful equation,



Suresh Pansari, Director of RP tech India said, "Trust and commitment are the two critical pillars of any successful business. Value addition has always been a forte of RP tech India and we are proud to be the most preferred partner of Logitech. We have

closely witnessed the growth of the brand over the years. The way they have diversified into other lines of business and gained leading position is commendable. Logitech has played a pivotal role in our growth and I am sure that together we will achieve our respective organizational goals."

In times when social media was not prevalent and mouth publicity was the only way to create brand awareness, RP tech India organized several road shows to promote the Logitech products in metros as well as B, C and D class cities. Simultaneously, it helped the brand to build a robust ecosystem of channel partners in India.

"RP tech India is known for its innovative marketing activities and PR campaigns. We were the first distributor to organize Foreign Trip Scheme (FTS) for partners. This scheme not only helped in boosting the Logitech channel business but also helped the brand to reach to the masses, said **Rajesh Goenka, Director, Sales & Marketing, RP tech India** said adding "Though now there is the entry of other counterparts, we still enjoy a significant share in the Logitech business in India."

Commenced with peripherals, RP tech India has expanded its engagement with Logitech in CNP, Gaming accessories and Video Conferencing solutions business over the last 20 years.

Highlighting the contribution of RP tech India in the growth of Logitech, **Sumanta Datta, Managing Director, India, Indonesia & SWA**, said, "RP tech India has been our valuable partner since its inception in 1989. As a company when Logitech needed reliable distribution partner with extensive reach, RP tech India helped us by giving the best distribution solutions to reach our consumers across India.

RAH Infotech Appointed National VAD for Check Point in India



Check Point® Software Technologies Ltd, a leading provider of cyber security solutions to governments and corporate enterprises globally, has appointed RAH Infotech, India's fastest growing value-added technology distributor, as the National

Distributor for its complete product portfolio.

RAH Infotech's expertise in the fields of network-

ing, security and data protection will be fully leveraged in this relationship. RAH Infotech has been providing world class IT solutions to a large number of channel partners and enterprises in India and SAARC countries. RAH Infotech ensures best-of-breed technologies and services must be delivered to end customers through their strong channel partner ecosystem across seven locations in India, Singapore, UAE, UK, US and Netherlands. Visibly elated with the tie-up, Ashok Kumar, Man-

aging Director at RAH Infotech said, "With the acceleration of technologies, such as SMAC, IOT etc., organizations need modern approach with such solutions and products for network and application security. With Check Point, we will offer a comprehensive and advanced protection against new age cyber-attacks across networks, cloud and mobile. We are happy that with Check Point we will address the ever growing challenges in the digital era."

Data Center Survey Sees Edge Sites Tripling by 2025



Exploring the Possibilities, stretched the imaginations of more than 800 industry professionals and introduced a collaborative vision for the next-generation data center. Today, Vertiv released a mid-point update – Data Center

2025: Closer to the Edge – and it reveals fundamental shifts in the industry that barely registered in the forecasts from five short years ago. The migration to the edge is changing the way

today's industry leaders think about the data center. They are grappling with a broad data center ecosystem comprised of many types of facilities and relying increasingly on the edge of the network. Of participants who have edge sites today or expect to have edge sites in 2025, more than half (53%) expect the number of edge sites they support to grow by at least 100% with 20% expecting a 400% or more increase. Collectively, survey participants expect their total number of edge computing sites will grow 226% between now and 2025.

Qualcomm Snapdragon 855 Becomes First Mobile SoC to Receive Smart Card Equivalent Security Certification



Qualcomm Technologies, Inc., a subsidiary of Qualcomm Incorporated (NASDAQ: QCOM), announced the Qualcomm® Secure

Processing Unit, an on-die secure element recently launched as part of the Qualcomm® Snapdragon™ 855 Mobile Platform, has received Common Criteria EAL-4+ security certification, the gold standard for smart card hardware security assurance and testing. The internationally recognized certification makes the Snapdragon 855 the first mobile SoC (System on Chip) to attain smart card levels of security assurance. The integrated Qualcomm Secure Processing Unit enables Qual-

comm Technologies' OEM customers to save on Bill of Materials (BOM) cost without sacrificing security and offers the performance and power improvements that come with integration into the leading process node.

Examples of current Qualcomm Secure Processing Unit use cases include Android Strongbox Keymaster and Gatekeeper. On demonstration at Qualcomm Technologies' exhibit at MWC Shanghai this week is another example of the certified Qualcomm Secure Processing Unit's capabilities: an integrated SIM (iSIM) demo by Qualcomm Technologies and Gemalto, a Thales company. In the future, capabilities like offline payment, trusted platform module (TPM) functions, transit, electronic ID, and crypto wallets will be possible, all without the need of a discrete security chip.

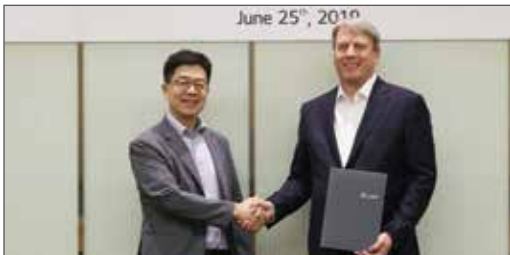
Baidu Named Development Partner on Intel Nervana Neural Network Processor for Training

Artificial intelligence (AI) isn't a single workload; it's a pervasive capability that will enhance every application, whether it's running on a phone or in a massive data center. Phones, data centers and everything in between have different performance and power requirements, so one-size AI hardware doesn't fit all. Intel offers exceptional choice in AI hardware with enabling software, so customers can run complex AI applications where the data lives. The NNP-T is a new class of efficient deep learning system hardware designed to accelerate distributed training at scale. Close collaboration with Baidu helps ensure Intel development stays in lock-step with the latest customer demands on training hardware.

Since 2016, Intel has been optimizing Baidu's PaddlePaddle® deep learning framework for Intel® Xeon® Scalable processors. Now, the companies give data scientists more hardware choice by optimizing the NNP-T for PaddlePaddle.

The impact of these AI solutions is enhanced with additional Intel technologies. For example, Intel® Optane™ DC Persistent Memory provides improved memory performance that allows Baidu to deliver personalized mobile content to millions of users through its Feed Stream® service and Baidu's AI recommendation engines for a more efficient customer experience.

LG TO EXPAND PARTNERSHIP WITH QT ON NEXT GENERATION EMBEDDED DEVICES RUNNING WEBOS

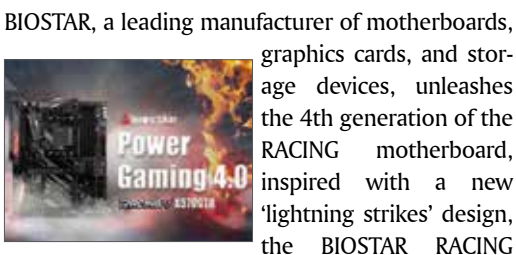


LG Electronics (LG) announced the signing of a Memorandum of Understanding with The Qt Company, the Finnish-based software developer behind the Qt Project, to expand its existing collaboration on webOS. The expanded partnership

will focus on embedding LG's open source webOS platform in future automotive, robotics and smart home devices as well as positioning webOS as a reference operation system of Qt.

The partnership will guarantee more efficient management of resources required to port Qt and minimize gaps between Qt and webOS, leading to the best user experience for AI and IoT customers. With Q's expertise in user experience (UX) and LG's knowledge of products, the collaboration will create a powerful development environment for developers, engineers and designers to create innovative and immersive apps and devices.

BIOSTAR Launches the 4th Generation RACING Series Motherboard with X570GT8



BIOSTAR, a leading manufacturer of motherboards, graphics cards, and storage devices, unleashes the 4th generation of the RACING motherboard, inspired with a new 'lightning strikes' design, the BIOSTAR RACING

together with its powerful 12 phase VRM with Digital Power+ PWM, this motherboard will simply fly through the heat of battle with ease. BIOSTAR has outfitted this motherboard with two metal reinforced PCI-E 4.0 x16 slots that supports 16GT/s and PCI-E M.2 4.0 for 64Gb/s in bandwidth with M.2 cooling protection. It also supports 4-DIMM DDR4 for up to 4400(O.C). All these specifications are not frivolous, as the BIOSTAR RACING X570GT8 is designed to work in complete harmony with the new 16-core AMD Ryzen 3000 series processors. This masterpiece of a system board is designed for gaming and overclocking enthusiasts in mind!

Samsung Introduces A High-Speed, Low-Power NPU Solution for AI Deep Learning



Samsung Electronics last month announced its goal to strengthen its leadership in the global system semiconductor industry by 2030 through expanding its proprietary NPU technology development. The company recently delivered an update to this goal at the conference on Computer Vision and Pattern Recognition (CVPR), one of the top academic conferences in computer vision fields.

This update is the company's development of its On-Device AI lightweight algorithm, introduced at CVPR with a paper titled "Learning to Quantize Deep Networks by Optimizing Quantization Intervals With Task Loss". On-Device AI technologies directly compute and process data from within the device itself. Over 4 times lighter and 8 times faster than existing algorithms, Samsung's latest algorithm solution is dramatically improved from previous solutions and has been evaluated to be key to solving potential issues for low-power, high-speed computations.

STMicroelectronics Reveals Motion Sensor with Machine Learning for High-Accuracy, Battery-Friendly Activity Tracking



STMicroelectronics, a global semiconductor leader serving customers across the spectrum of electronics applications, has integrated machine-learning technology into its advanced inertial sensors to improve activity-tracking performance and battery life in mobiles and wearables.

The LSM6DSOX iNEMO™ sensor contains a machine-learning core to classify motion data based on known patterns. Relieving this first stage of activity tracking from the main processor saves energy and accelerates motion-based apps such as fitness logging, wellness monitoring, personal navigation, and fall detection.

“Machine learning is already used for fast and efficient pattern recognition in social media, financial modelling, or autonomous driving,” said Andrea Onetti, Analog, MEMS and Sensors Group Vice Pres-

ident, STMicroelectronics. “The LSM6DSOX motion sensor integrates machine-learning capabilities to enhance activity tracking in smartphones and wearables.”

Devices equipped with ST’s LSM6DSOX can deliver a convenient and responsive “always-on” user experience without trading battery runtime. The sensor also has more internal memory than conventional sensors, and a state-of-the-art high-speed I3C digital interface, allowing longer periods between interactions with the main controller and shorter connection times for extra energy savings.

The sensor is easy to integrate with popular mobile platforms such as Android and iOS, simplifying use in smart devices for consumer, medical, and industrial markets.

Divide By Zero launches AION500 MK3 – World’s Fastest 3D Printer



One of India’s largest 3D printer manufacturer, Divide By Zero has unveiled the AION500 MK3 – the fastest polymer extrusion based 3D Printer in the world, at the Automotive Engineering Show in Chennai.

Speaking at the launch, CEO & Founder Swapnil Sansare expressed “3D printing technology has been in the industry for the past 30 years and we all are fascinated by its potential, however, speed has been a drawback – until today. AION500 MK3 is 3X faster than conventional CNC machines. The printing speed is 10x more than any polymer extrusion-based platform anywhere in the world. Basically, you can now print the anatomical model of a human skull in minutes. Companies need not

wait for a week for their orders when they can have it in mere hours.” He adds “The RoI for this machine is barely 4 months”.

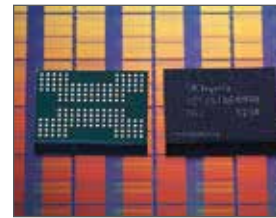
Powered with DBZ’s revolutionary Patented ‘AFPM’ Technology AION500 MK3 can print 10X faster than any 3D printer without losing on mechanical properties, surface finish, and accuracy. Years of research has helped the team at DBZ to develop a high-speed, high throughput 3D printing solution which is built to revolutionize the industry worldwide and overcome the barriers of speed, time and cost. The added salient features of AION500 MK3 are –

- ▲ 1.5G Acceleration on Servo Gantry
- ▲ 1.5m/s Travel Speed
- ▲ All new dual drive Liquid Cooled Print Head
- ▲ 10-micron positional accuracy

This is a breakthrough which the Rapid Prototyping industry was yearning for since last decade. Another unexplored arena is the demand for customized ‘Jigs and Fixtures’. 3D Printing has the potential of radically changing the face of on-demand JIG – Fixture manufacturing but due to the questions related to speed, strength, and affordability, this industry wasn’t able to reap the benefits. However, this Next-Gen Industrial Grade Workhorse has the power to complete the old school 3D Printing and actually make Rapid Prototyping ‘Rapid’.

SK hynix Starts Mass-Producing World’s First 128-Layer 4D NAND

SK hynix Inc. announced that it has developed and starts mass-producing the world’s first 128-Layer 1Tb (Terabit) TLC (Triple-Level Cell) 4D



NAND Flash, only eight months after the Company announced the 96-Layer 4D NAND Flash last year.

The 128-Layer 1Tb NAND chip offers the

industry’s highest vertical stacking with more than 360 billion NAND cells, each of which stores 3 bits, per one chip. To achieve this, SK hynix applied innovative technologies, such as “ultra-homogeneous vertical etching technology,” “high-reliability multi-layer thin-film cell formation technology,” and ultra-fast low-power circuit design, to its own 4D NAND technology.

The new product provides the industry’s highest density of 1Tb for TLC NAND Flash. A number of companies including SK hynix have developed 1Tb QLC (Quad-Level Cell) NAND products, but SK hynix is the first to commercialize the 1Tb TLC NAND Flash. TLC accounts for more than 85% of the NAND Flash market with excellent performance and reliability.

The small chip size, the biggest advantage of the Company’s 4D NAND, allowed SK hynix to realize ultra-high-density NAND Flash memory. The Company announced the innovative 4D NAND in October 2018, which combined 3D CTF (Charge Trap Flash) design with the PUC (Peri. Under Cell) technology.

Samsung Begins Mass Production of Industry’s First 12Gb LPDDR5 Mobile DRAM

Samsung Electronics, the world leader in advanced memory technology, announced that it has begun



mass producing the industry’s first 12-gigabit (Gb) LPDDR5 mobile DRAM, which has

been optimized for enabling 5G and AI features in future smartphones. The new mobile memory comes just five months after announcing mass production of the 12GB LPDDR4X, further reinforcing the company’s premium memory lineup. Samsung also plans to start mass producing 12-gigabyte (GB) LPDDR5 packages later this month, each combining eight of the 12Gb chips, in line with growing demand for higher smartphone performance and capacity from premium smartphone manufacturers. “With mass production of the 12Gb LPDDR5 built on Samsung’s latest second-generation 10-nanometer (nm) class process, we are thrilled to be supporting the timely launch of 5G flagship smartphones for our customers worldwide,” said Jung-bae Lee, executive vice president of DRAM Product & Technology, Samsung Electronics. “Samsung remains committed to rapidly introducing next-generation mobile memory technologies that deliver greater performance and higher capacity, as we continue to aggressively drive growth of the premium memory market.”

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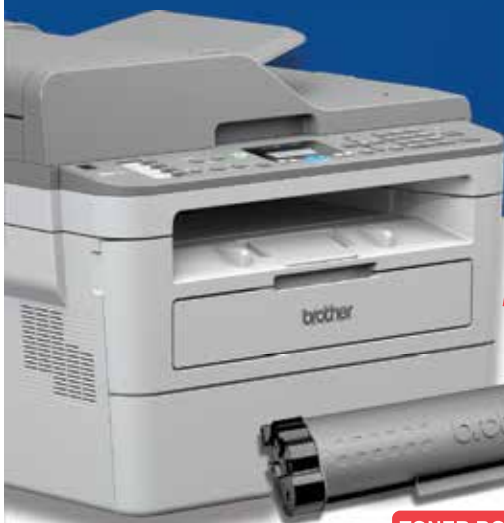
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Reason You Should Consider Upgrading to the Next Generation of Wi-Fi Router



In today's age and time, Internet plays a major role in one's everyday life. Our country is moving forward towards Digitization and has proven to be a front runner when it comes to Internet users and its usability. Internet has revolutionized the way we live and has made us realize the significance of being connected; Wi-Fi thus comes as one of the key driving factors responsible for digitizing India.

A recent report revealed that there are around 3.48 billion Internet users around the world. It indicates that over 41 percent of the world's population is interconnected through via Internet. Installations of Wi-Fi hotspots and increasing usage of smartphones in rural and remote areas have greatly contributed in bridging the gap of connectivity.

India currently stands as the second-largest telecommunications market in the world and is constantly rising. With such unprecedented access to Internet, a larger portion of the population is becoming a part of the internet-world regularly. The numbers however, have changed dramatically over the years, around 200 million Indians regularly use social media, and in the last year alone, more than 200 million Indians took to mobile banking and digital payments.

Today, the existing infrastructure is receiving backlash due to limited Wi-Fi speeds and to boost up the existing speed, we are introduced to the

idea of a much better and faster wireless Internet through Wi-Fi 6. The Wi-Fi 6 delivers super-fast speed along with better coverage and, more importantly, has the power and capacity to handle the dozens of devices in the typical congested smart home.

Marthesh Nagendra, Country Manager – India & SAARC, NETGEAR comments, "Today, the existing infrastructure is bottlenecked with limited Wi-Fi speeds and to boost up the existing speed, we are introduced to the idea of a much better and faster wireless internet through Wi-Fi 6. The next generation of Wi-Fi technology isn't just about a simple boost in speed and secure transmission. Its impact will be more nuanced, and we are likely to see its benefits more and more over time."

What is Wi-Fi 6?

Designed to increase network capacity and improve the performance of your home network, **Wi-Fi 6 (802.11ax)** is the latest generation of Wi-Fi technology. It will empower you with faster Wi-Fi speeds with reliable connections, so you can enjoy buffer-free streaming, faster downloads, and add more smart home devices without slowing down your Internet experience.

To deliver the fastest Wi-Fi to all your connected devices of today and tomorrow, here are the reasons why your next router should be a Wi-Fi 6 router.

Wi-Fi 6 provides the highest level of performance in busy multi-device households

The newest Wi-Fi standard, Wi-Fi 6, builds on the already great Wi-Fi 5 (802.11ac) technology. While Wi-Fi 5 brought gigabit speeds to our Wi-Fi connections, it falls short on delivering the best Wi-Fi experience as the smart home gets smarter with more devices on the network. Wi-Fi 6 uses orthogonal frequency division multiple access (OFDMA), a key feature which increases overall network efficiency to allow several devices with various bandwidth requirements to connect to your Wi-Fi.

Wi-Fi 6 provides the fastest real-world speeds and range

In Wi-Fi technology, each frequency band (2.4 GHz or 5 GHz) is made of component streams. It is on these streams that our Wi-Fi data travels. Wi-Fi 5 and Wi-Fi 6 carry the highest number of streams, thus allowing for gigabit Wi-Fi speeds. Wi-Fi 6 increases the number of streams to a new high of 12 across the 2.4 and 5 GHz bands, whereas Wi-Fi 5 has a limit of 8 in a dual-band configuration.

This increase of streams provides higher connection speed, and your client devices have more paths to communicate with your Wi-Fi router. In fact, Wi-Fi 6 enabled client devices enjoy a 40% increase in speed over their Wi-Fi 5 counterparts.

Wi-Fi 6 is designed for the Smart Home

Smart Home devices and IOT applications are proliferating. As a result, Wi-Fi connected devices in the average home are growing from an average of 10 devices, to as many as 50 or more. Each Wi-Fi-connected light bulb, smart switch, door lock, appliance, or camera is a load on your Wi-Fi network. Wi-Fi 6 has been designed to be able to handle an increase in devices without negatively impacting your Wi-Fi speeds. This results in a smooth streaming experience, while providing uninterrupted connectivity of lights, switches, thermostats and any other IOT device you may add to your smart home.

Wi-Fi 6 routers are ideal for 4K/8K UHD streaming

Streaming 4K or 8K resolution video requires a consistent high-speed connection. In households with multiple users, streaming high-definition video puts an even greater load on the network. With a combination of ultra-fast processors, increased memory and the increased number of radio streams, Wi-Fi 6 routers are up to the task of streaming multiple high definition video sessions without stuttering, buffering or other annoying hiccups you will see with older Wi-Fi technology.

Robotic Process Automation Software Market Grew 63% in 2018



Robotic process automation (RPA) software revenue grew 63.1% in 2018 to \$846 million, making it the fastest-growing segment of the global enterprise software market, according to Gartner, Inc. Gartner expects RPA software revenue to reach \$1.3 billion in 2019.

"The RPA market has grown since our last forecast, driven by digital business demands as organizations look for 'straight-through' processing," said Fabrizio Biscotti, research vice president at Gartner. "Competition is intense, with nine of the top 10 vendors changing market share position

in 2018."

The top-five RPA vendors controlled 47% of the market in 2018. The vendors ranked sixth and seventh achieved triple-digit revenue growth (see Table 1). "This makes the top-five ranking appear largely unsettled," Mr. Biscotti added.

North America continued to dominate the RPA software market, with a 51% share in 2018, but its share dropped by 2 percentage points year over year. Western Europe held the No. 2 position, with a 23% share. Japan came third, with adoption growth of 124% in 2018. "This shows that RPA software is appealing to organizations across the world, due to its quicker deployment cycle times, compared with other options such as business process management platforms and business process outsourcing," said Mr. Biscotti.

Companies like Google, Microsoft and Nvidia are competing for the future of gaming



Cloud gaming uses server farms instead of local computing power to render and process graphics and gameplay. This allows machines below the minimum or required specs of a game to play in blazing fast frame rates and high resolutions without the huge investment in a gaming computer. With most cloud gaming, you'll need a controller, or another HID to play, but you can play games directly on your phone, tablet or TV. Some of the graphics may be blurry, but that depends on your rendering device's screen resolution, and more importantly, your internet connection.

The ability to use any device was demonstrated at E3 recently, when Microsoft revealed their XCloud solution and had an Xbox controller connected to an Android phone that was being used as a display. The results were pretty stunning.

Who's playing in the space?

Nvidia has been working on GeForce Now since 2015. It is currently in beta and getting your hands on a beta key has been a challenge for gamers. GeForce is subscription based, and has up to 400 games in their service. You need to have a Nvidia Shield, PC or Mac, and download the GeForce app, which runs in the background. Currently, you are limited to 4 hours per session and there is no 4k content at the moment.

Google Stadia announced a closed beta with Assassin's Creed Odyssey in fall of 2018, and is anticipated to launch in November of 2019. The service only requires a device with internet connection and support for Google Chrome. Stadia is to have 4k resolution at 60 fps and looks towards support for 8k at 120 fps. Stadia will offer two tiers of service, a free Base level and a monthly subscription Pro level. The Pro tier will be approximately US\$10 per month, but allows users to access higher streaming rates, access a library of free games over time, and get discounts on other games offered for Stadia. Players can opt to record or stream their sessions onto YouTube through Stadia. Viewers of these streams can launch the games directly from the stream with the same save state that they were just watching. While Stadia can use any HID-class USB controller, Google developed its

own controller which connects via WiFi directly to the Google datacenter running the game, to reduce input latency.

XCloud leverages Microsoft's Azure cloud computing centers, and the power of Xbox Live's deep catalog. Boasting 3500 titles ready to stream and 1900 more in development, the sheer weight of content is on XCloud's side. XCloud will have cross-platform play and will start public testing towards the end of 2019. The Azure cloud computing centers cover 140 countries, giving XCloud some serious global might. The service is designed to work on phones, tablets, and laptops, and can use touchscreen or a Bluetooth Xbox controller. While XCloud is still veiled in several mysteries and not all the details have been released publicly, this is one service to keep your eye on.

All of these services require a dedicated internet connection, and the NETGEAR Nighthawk Pro Gaming routers are already here to keep your connection stable and consistent, a critical factor when all of your heavy computing is in the cloud and where every millisecond counts.

The times are changing, and the days of high-end gaming rigs might be numbered by the use of cloud computing. Competitions can standardize their equipment for tournaments and events with these solutions. Casual players don't have to invest thousands of dollars to be remotely competitive online.

It's pretty exciting to watch the future unfold and we are very interested in what develops.

Innovation Is a Matter of Mindset



Our industry, customers and company are undergoing perhaps the biggest challenge and transformation we have seen in our lifetime. Companies and governments around the world are analyzing, planning or executing the transformation of their businesses, propelled by new and emerging technologies such as Artificial Intelligence, Digital Workplaces, Enhanced Analytics, Internet of Things and others. We lump all these changes under one umbrella known as Digital Transformation.

It seems that everything is changing. We are constantly challenged by the unstoppable hunger of innovation and adopting new technology to achieve greater benefits for citizens, customers, and even entire countries. We are all facing a dramatic shift. I wanted to do more to experience this first-hand.

So, I packed my bags and temporarily moved from Mexico to Dubai as part of the Avaya Talent Exchange Program. I started in early February 2019, travelling 22 hours from Mexico City to Dubai. Why did I apply to the program? I wanted to be part of sharing successful practices with other peers, work with sales teams in other regions and understand how they face the same

or different challenges and successfully overcome them. I had an urge to work with an innovative leadership team and learn from their strategies. This program enables me to be better prepared for the challenges we face today and in the future. And why Dubai? In my case, the destination was for both professional and personal reasons. It is a place for innovation and was entirely different culturally from what I had previously experienced. Dubai checked off those boxes for me.

Dubai as a city-state has a proven transformation success story and positions itself today and for the future. In just a generation's time, Dubai evolved from a small city-state in the desert, dependent on trade heritage and oil explorations, into a leading business hub in the Middle-East and is part the seven Emirates of the UAE (United Arab Emirates). Dubai is run in a business-like fashion and its leader functions almost like a CEO of a company.

A key project during my time in the Talent Exchange Program is to work on a strategy for demonstrating innovative solutions called "Innovation Framework." It enables the company, for example, to showcase the unique features and benefits of our Powered By Avaya IX unified communications platform and present these innovative solutions at events all over the region.

Our team of experts includes those in Sales Engineering, Specialists and Architects. They take innovation from the field organization and turn it into solutions that can be shared globally. The framework all starts with gathering ideas from different inputs (external and internally) that gen-

erate value and differentiation for our customers. These ideas then get developed into use-case concepts. Selected solution prototypes built in the innovation lab make their way to pilot testing with customers and eventually showcased at industry events like GITEX.

We also successfully "exported" from Dubai the new demonstration platform we use to showcase the latest innovations in UX, CX and automation. Mexico is now the first country outside of the Avaya International theater enabled with this new demonstration platform and we already see the benefit for events such as Avaya ENGAGE, and for our Digital Experience Centers and customer demos. With support from the team in Dubai, we also could make available new features for our Avaya phones and video devices.

With that in mind, I believe innovation should come from many areas inside of a company. At Avaya, evolutionary and innovative products and services are coming from our successful R&D group. The Innovation Framework adds to that a culture to live innovation as a mindset for all Avayans. Every employee should be able to actively participate in bringing up their ideas, and help to generate innovative products, services or processes. Leveraging this power is a big opportunity for Avaya.

Thank you to my team at home in Mexico who have supported me during the program and made it easy to continue to help with our business and projects, even with a sizable time difference (9 hours!) It's a great experience to count on such a strong and reliable team. I have received a warm welcome from the Dubai team and I am forever changed by their hospitality and business spirit.

AI for fraud detection to triple by 2021

While only 13% of organizations use artificial intelligence (AI) and machine learning to detect and deter fraud, another 25% plan to adopt such technologies in the next year or two – a nearly 200% increase. Fraud examiners revealed this and other anti-fraud tech trends in a cross-industry, global survey by the Association of Certified Fraud Examiners (ACFE), developed in collaboration with analytics leader SAS.

The inaugural Anti-Fraud Technology Benchmarking Report examines data provided by more than 1,000 ACFE members about their employer organizations' use of technology to fight fraud. Other notable trends include:

- The rise of biometrics. About one in four organizations (26%) use biometrics as part of their anti-fraud programs; another 16% foresee deploying biometrics by 2021.
- Increasing budgets. More than half of organizations (55%) plan to increase their anti-fraud tech budgets over the next two years.

Changing data analysis techniques. By 2021, nearly three-quarters of organizations (72%) are projected to use automated monitoring, exception reporting and anomaly detection. Similarly,

about half of organizations anticipate employing predictive analytics/modeling (52%; up from 30%) and data visualization (47%; currently 35%).

"As criminals find new ways to exploit technology to commit schemes and target victims, anti-fraud professionals must likewise adopt more advanced technologies to stop them," said Bruce Dorris, JD, CFE, CPA, President and CEO of the ACFE. "But which technologies are most effective in helping organizations manage rising fraud risks? The answer to this question can be crucial in successfully implementing new anti-fraud technologies."

Dive deeper online: Trends by industry and more Complementing the benchmarking report, SAS' online data visualization tool allows users to analyze survey data by industry, geographic region and company size. Survey respondents hail from 24 industries – most prevalently banking/financial services (21%) and government/public administration (17%) – and span the globe. The size of their employer organizations ranges from less than 100 employees to more than 10,000.

"Understanding peers' technologies and strategies can help organizations determine where the industry is headed and guide their anti-fraud tech

investments," said James Ruotolo, Senior Director of Products and Marketing for Fraud and Security Intelligence at SAS. "The dramatic rise of AI, machine learning and predictive modeling reveals that, beyond the hype, advanced analytics is helping investigators keep steps ahead of increasingly sophisticated fraudsters."

"With the spike in occurrences of fraud in the Financial & Public sectors, it has become increasingly important to combat the menace with a combination of domain expertise and improved technology that can analyze volumes of data, detect anomalies or even trigger alerts on behavioral misconducts. Criminals find new ways to exploit systems each day, but advanced analytics, AI and Machine Learning will clearly be among the most-used technologies to combat fraud risk going forward," said Noshin Kagalwalla, VP & Managing Director, SAS India.

The Anti-Fraud Technology Benchmarking Report debuted at the sold-out 30th annual ACFE Global Conference, convening more than 3,000 fraud-fighting professionals on June 23-28 in Austin, TX. The report's supporting sponsors include Intel and Capgemini.

GPUs Help Researcher Decipher Ancient Sanskrit



With 10 verb tenses, eight noun cases, three grammatical genders and a strong predilection

for compound words, Sanskrit is not an easy language to teach a human — let alone an AI model. But Indologist Oliver Hellwig is undertaking the challenge, training deep learning models that can analyze Sanskrit texts up to 4,000 years old. A digital repository of Sanskrit works parsed word by word would enable researchers to more easily search for information and better identify passages with parallel context.

AI is being used to interpret historical texts in

German and Italian, as well as classical Japanese literature. But most existing NLP models are geared towards Western languages that follow similar rules of grammar, punctuation and formatting.

That presents a challenge for researchers developing software to transcribe and analyze scripts that are read right to left, are pictographical instead of phonetic, or — like Sanskrit — often don't use character breaks between words.

OpenAI forms exclusive computing partnership with Microsoft



Microsoft Corp. and OpenAI, two companies thinking deeply about the role of AI in the world and how to build secure, trustworthy and ethical AI to serve the public, have partnered to further extend Microsoft Azure's capabilities in large-scale AI systems. Through this partnership, the companies will accelerate breakthroughs in AI and power OpenAI's efforts to create artificial general intelligence (AGI). The resulting enhancements to the Azure platform will also help developers build the next generation of AI applications. The part-

nership covers the following:

- Microsoft and OpenAI will jointly build new Azure AI supercomputing technologies
 - OpenAI will port its services to run on Microsoft Azure, which it will use to create new AI technologies and deliver on the promise of artificial general intelligence
 - Microsoft will become OpenAI's preferred partner for commercializing new AI technologies
- The companies will focus on building a computational platform in Azure of unprecedented scale,

which will train and run increasingly advanced AI models, include hardware technologies that build on Microsoft's supercomputing technology, and adhere to the two companies' shared principles on ethics and trust. This will create the foundation for advancements in AI to be implemented in a safe, secure and trustworthy way and is a critical reason the companies chose to partner together. Over the past decade, innovative applications of deep neural networks coupled with increasing computational power have led to continuous AI breakthroughs in areas such as vision, speech, language processing, translation, robotic control and even gaming. Modern AI systems work well for the specific problem on which they've been trained, but getting AI systems to help address some of the hardest problems facing the world today will require generalization and deep mastery of multiple AI technologies. OpenAI and Microsoft's vision is for artificial general intelligence to work with people to help solve currently intractable multidisciplinary problems, including global challenges such as climate change, more personalized healthcare and education.

New Taiwan Product Centre launched in Mumbai to help strengthen ties with India



TAITRA (Taiwan External Trade Development Council) launched its Taiwan Product Centre (TPC) in Mumbai, India. The product centre is an extension of the varied efforts that Taiwan is undertaking to increase its footprint in India.

The centre displays a range of state-of-the-art products from reputed Taiwanese companies and provides a superb platform for people to experience the best from varied fields. There are a host of products and brands in smart ICT, smart healthcare, Internet of Things (IoT) solutions and smart-life device industries.

Several Taiwan-based companies are well known for the smart solutions they have created for various noteworthy smart projects around the world. Taiwanese companies have been seeing great potential in expanding its trade association in the technology space in various sectors like for smart city, Pharma, agriculture, food, machineries, ICT etc. Taiwan is keen to share these skills and proficiency with countries like India that are now on the economic forefront with ambitious projects like the Smart Cities Mission. Taiwan has been contributing to various projects of the Indian government including Smart Cities mission, Make in India, Skills India and Digital India.

While there has been a rise in bilateral trade between India and Taiwan in the recent past, TAITRA believes that trading with India has given a great impetus to both countries to build the smart nations. TPC is a strategic move and a step further

for smooth exchange of business between the two countries.

At the TPC Mumbai, several renowned Taiwanese brands are showcasing their excellent products. Automation, Electrical and Engineering company Shihlin Electric is displaying a product line related to Factory Automation and Circuit Breaker like HMI, Servo Motor, VFD, MCB, MCCB, RCB, Magnetic Contactors, Relay, Temp Controller etc. Automobile giant KMC Chains have put up products like Motorcycle Chain, Motorcycle Sprocket, Timing Chain. Healthcare & Engineering leaders Magtech Magnetic are displaying Permanent Magnets, Ferrite Magnets, NdFeB Magnets, SmCo Magnets, Alnico Magnets, Plastic Magnets, Flexible Rubber Magnets, Minus-Ion Magnets, Bio-Magnets, and Magnetic Holder & Applications & Energy Converter etc.

Home Appliance & HVAC leaders Tatung Co sport Rice Cookers, Water Cooled and Air-Cooled Chillers etc. Passive Components giants Emtex Co. Ltd are displaying EMI Filter, Power Inductor, Low Profile Power Inductor, Chip Inductor, High Frequency Chip Inductor & Multilayer Chip - Chip Bead Inductor. Hand Tools manufacturer Rekrow Industrial INC are showcasing portable hand tools like Micro Torch, Soldering Iron, Micro Burner, Lab Burner, Smart Stove etc which are a breakthrough in innovation. Automobile leaders YI GUAN PRECISION CO. LTD (CMB) are displaying Car A/C Compressors and parts for car A/C compressors. Automobile and Home Décor leaders Aromate have showcased Aroma diffuser, Reed diffuser, Naturals essential oils, Fragrance candles, Fragrance spray, Membrane Air Freshener, Auto Perfume, Scented Polymer, Scented Plush, Organic Scent Can etc. Home décor pioneers Homewood International Corp have displayed Bathroom set, Cannisters, Makeup box etc. Dental convenience solution provider Densmart Dental Co Ltd have put up X-Ray Holder and RVG Sensor Holder while Glory Leepin Enterprises Co LTD, dental spare parts manufacturer have showcased Spare Parts for

Dental Chair. Industrial & Engineering company Alpro-Metals have displayed Screws, Nuts, Bolts and Washers. Agricultural company An Jarl Enterprise Co; Ltd have showcased Rain Pipe, Mulching Paper, Sprinkler, Plastic Adjustable Impulse Sprinkler, Wings Rain Pipe, Drip Irrigation System, Array Net House, Seedling Tray, Greenhouse film, Fog Nozzle Base, Pipe Connect Spring, Pesticide sprayer gun, High Pressure Hose, Micro Jet.

Smart Solution - Infrastructure Company Micro-program have displayed Parking Fee Payment System, Parking Information Service System, Desktop Reader, Bluetooth, T&A Series, Active RFID Solutions, Passive RFID Solutions, Secushare, MAIL-GATES mail protection system, MP-180L Network Access Control Terminal, NFC Reader etc. Health Care giants Saint Global are showcasing Sleeping Pad, Seat Cushions, Mini Heating Carpet, Far Infrared Spa Capsule, Pet Pad, Eye Mask, Neck Support, Waist Support, Heel Warmer, shoulder Warmer, Belly Warmer, Foot Warmer, Hand Warmer, Shoe Dryer etc.

Speaking about the launch of the TPC, Mr. Alex Pen, Director - Taipei World Trade Centre Liaison Office, Mumbai said, "Opening of the new TPC is a part of TAITRA's efforts to expand business ties with India -- Asia's third largest economy. India and Taiwan's bilateral trade is expanding steadily. Taiwan and Indian business cooperation have also become particularly active in the past 2-3 years because with Taiwan's new southbound policy, the focus is on India. Currently, TAITRA is actively offering smart solutions, hardware, software, and electronics among others driving bilateral trade and investment between the two countries."

Last year, an India centre was launched in Taipei to promote awareness about India's business ecosystem in Taiwan. TAITRA also opened its new office in New Delhi in May this year. It already has offices in Mumbai, Chennai and Kolkata.

ASIRT hosts Honeywell, Quantum Networks and Schneider Electric for an insightful Techday

The monthly Techday hosted by Association of System Integrators and Retailers in Technology (ASIRT) for June, offered its Members a diversified flavour of personal wellbeing, innovative business opportunities and a mentorship session on cultivating a positive business growth attitude. With reputed companies like Honeywell, Quantum Networks & Schneider Electric as Co-Sponsors, the Members were offered exciting business opportunities to leverage cutting edge innovations. The evening also witnessed an insightful talk by business coach, author, and industrialist, Dr. Arunaagiri Madaaliar, on ways to develop a 10X business growth mind-set.

Acknowledging the occasion of International Yoga Day, and the significance of practicing a healthy lifestyle, the evening began with a 15 minute unique session on 'Desktop Yoga' by fellow Member Mr. Pradeep Bhatia. Through guided activity, Mr. Bhatia helped Members relax with a series of simple but impactful stretching exercises which can be practiced even when sitting in front

of the computer – perfect for entrepreneurs and IT professionals who spend long hours in front of the screen. This left the members well energized, setting the perfect tone for the evening.

The first Sponsor session for the Techday was hosted by Mr. Rakesh Patel, Country Manager – Channel Sales, Solution Business for APC by Schneider Electric, who highlighted the Easy UPS 3S and 3M solutions from their Secure Power Division. Showcasing the sturdy, agile, and easy design of the 3M UPS products range, Mr. Patel spoke about its usage at Data Centres and Server rooms, apart from a wider range of applications in commercial buildings, Automation Control, Manufacturing, Infrastructure, Transportation, and in Telecommunication & Networking space. Introducing the Galaxy VS 3 Phase UPS system, Mr. Patel showcased its patented Hybrid technology and the green premium solution that offers 97% efficiency, increased availability and reduced operating costs, making it the best choice for superior Power Protection for critical Infrastruc-

ture. Apart from UPS range, Mr. Patel also presented their Edge Computing solution, the Micro DC FXI, which offers decentralised, local processing and storage of data for effective functioning of IoT device based products and systems. The highlight of the presentation, however, was the EcoStruxure-ready IT Asset Advisor, which is a data-driven cloud based software that allows 24x7 remote monitoring and troubleshooting apart from providing live sensor data, predictive analysis and easy connectedness to critical infrastructure function via this smartphone app. Speaking about his experience of presenting at ASIRT and the role of SIs in the growth of APC, Mr. Patel said, "We are quite happy with the response we have received from ASIRT. It is a perfect platform for us as it comprises of Channel partners who form a large part of our sales strategy. As a Secure Power and energy solutions company, we work with a lot of small and large scale Data Centres and brands who rely on our agile and expert solutions for their continuous operations and growth. We look forward to a mutually beneficial engagement with ASIRT and its Members."

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