



Global Launch

Zemana's Groundbreaking Real-Time Deepfake Detection SDK

Zemana launches its newest product, Deepfake Detection SDK. This Software Development Kit supports real-time detection of deepfake videos, fake audio, and fake visual content, and can be easily integrated into a wide range of platforms.

Cybersecurity faces an emerging threat known as 'deepfakes', the most powerful cyber-weapon in history. Deepfakes are AI-generated synthetic media, typically forged video footage. This kind of 'fakery' was once limited to the film industry and intelligence agencies. Now AI advances have democratized it. Ordinary users can download deepfake software and create convincing videos smearing politicians, celebrities and company executives. The cyber security industry has only a short time to get ahead before the collapse of public trust in any media. There is a clear need to focus on creating solid detection algorithms.

After months of intensive research, Zemana has designed Deepfake Detection SDK. This enables developers to add a multi-layered detection engine to a range of platforms. This will enable governments, social media sites, instant messaging apps, and news and media organizations to detect AI-made forgery in digital content before they cause harm to society.

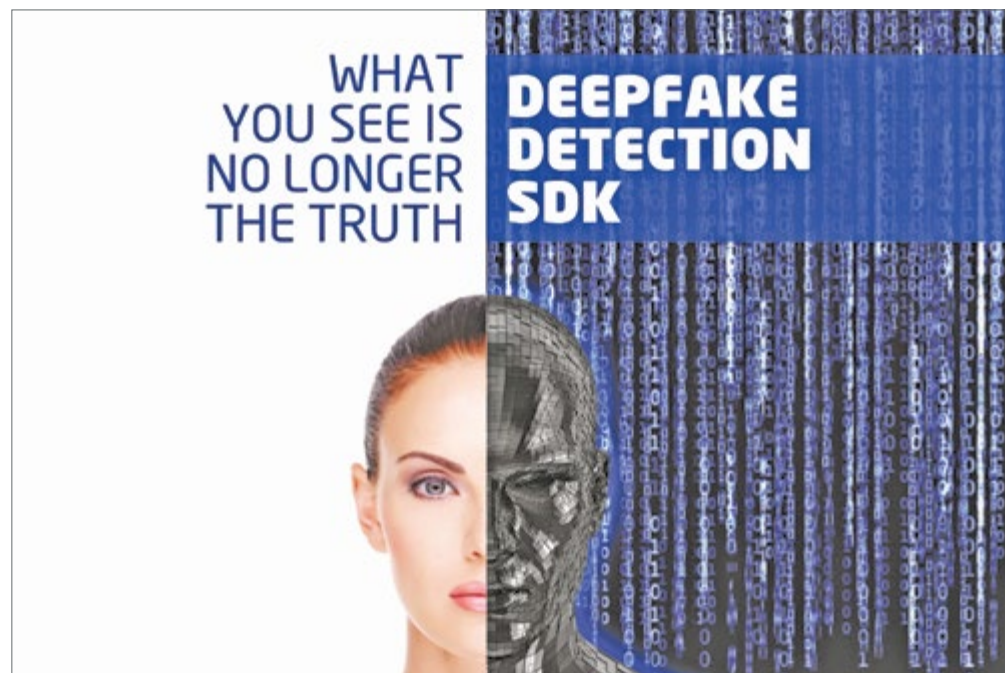
Samir Mujovic, Zemana Vice President of Business Development, said: 'Deepfakes are going to be the first serious punch from artificial intelligence to humanity. We are very pleased to be unveiling our new product at GITEX, based on our proven expertise in technology and security software systems.'

Zemana was established in 2007 to provide the world with innovative cyber-security solutions. It's our job to deal with complex malicious software and other cyber threats by producing simple solutions. We want our users to focus on

doing what they do best with-out having to worry about cyber threats. We continually monitor for threats, enabling us to roll out defenses before threats can cause damage.

We believe the growing cyber-security challenge comes from sophisticated AI-generated threats. Consequently, we have upgraded to AI-based technologies to fight and stop these threats.

We want our users to focus on



Breakthrough via Innovation

CHINAPLAS 2020 empowers plastics & rubber industries to transform with new opportunities

Economic and political uncertainty remains a top challenge for today's global manufacturing industry. A host of factors including trade friction, economic slowdown, and weakening demand from China are dampening manufacturing growth and leaving some sectors in a decline. In the meantime, China is pushing to transform its manufacturing industry to focus on higher quality and domestic market while encouraging foreign investment. During this economic downturn, leading companies are ready to pave the road for transition and transformation in order to convert challenges to opportunities. As a key industry indicator, the global leading tradeshow CHINAPLAS 2020 will zero in on market trends and buyer needs, provide a high-tech, high-quality and high-value platform of technology innovations, and help companies uncover new opportunities and grow in an ever-changing economic environment.

Foster growth in a decline

The global auto industry is cooling down, as 2018 broke a 7-consecutive-year expansion. Global auto sales shrank to 95.6 million vehicles in 2018 caused by declines in Europe and China in the second half of the year. As the 28-year-long streak of brisk growth in the Chinese auto market came to an end in 2018, industry players are facing unprecedented pressure.

With the market slowdown, auto companies are determined to seek changes and transform. On the front of environmental

priority. China's Ministry of Industry and Information Technology issued its first 5G commercial licenses on June 6, 2019, drawing great attention. As the core infrastructure for the deployment of big data, AI, virtual reality and other technologies, the scale-up of 5G will form a powerful driving force. Due to its exceptionally high speed, large capacity and minimal delay, 5G demands higher quality materials from the base station end to the application end. In addition to 5G, development trends such as the Internet of Things, autopilot vehicles, telemedicine, smart facto-

ed solid plastic waste. To address these issues, plastics manufacturers need to continue to promote reuse and recycling, plan out full product lifecycle to include recycling in advance, and provide environmentally friendly and recyclable innovative solutions such as biodegradable plastics.

The emergence of unilateralism, trade protectionism, and anti-globalization trends and the escalation of related actions have also adversely impacted the global economy and the plastics and rubber industries. The key to transformation lies in innovation. Companies can benefit from leveraging technological innovation, enhancing independent innovative capability, increasing product value and market competitiveness, adjusting strategy and deployment, and actively exploring domestic market and emerging markets, thereby strengthening their risk resistance capacity.

Join hands in the new journey

The grim economic environment is forcing companies to accelerate their transformation. CHINAPLAS 2020 will continue to

CHINAPLAS has closely followed the pulse of China's economic development, witnessed the growth of the plastics and rubber industries, experienced the 1998 Asian financial crisis and the 2008 global financial tsunami, and continuously produce success stories. As always, we quickly adapt to the changes in internal and external environment; adapt to the trends of technological revolution, industrial transformation, consumption upgrading, etc.; strengthen the long-term collaboration with global plastics and rubber manufacturers, downstream users and industry associations; turn first-hand intelligence into latest market demand; and cooperate with upstream and downstream companies to make progress together.

2018 marked the first CHINAPLAS exhibition in Hongqiao, Shanghai, and the show was a great success. CHINAPLAS is scheduled to return to the National Exhibition and Convention Center, in Hongqiao, Shanghai, PR China on April 21-24, 2020. This iconic industry event is expected to present 340,000 square meters of exhibition space, bring together 3,900+ global exhibitors and 180,000+ visitors, to join hands to overcome the challenges, and together create a prosperous future.

See you in Düsseldorf!

The CHINAPLAS team will be present at the K 2019 fair in Düsseldorf from October 16-23 to promote CHINAPLAS 2020's new highlights and mingle with buyers and industry experts. The organizer has prepared fabulous gifts and free registration passes for visitors who pass by its booth (EN1-02) at the show. The team invites you to stop by to say hello, network with them and share your visiting experiences. See you soon in Düsseldorf!

CHINAPLAS 2020 is organized by Adsale Exhibition Services Ltd., Beijing Yazhan Exhibition Services Ltd., and Adsale Exhibition Services (Shanghai) Ltd. and co-organized by China National Light Industry Council - China Plastics Processing Industry Association, China Plastics Machinery Industry Association, Messe Düsseldorf China Ltd., the Plastic Trade Association of Shanghai. The event is also supported by various plastics and rubber associations in China and abroad.

First introduced in 1983, CHINAPLAS has been approved by UFI (The Global Association of the Exhibition Industry) since 2006. CHINAPLAS is exclusively sponsored by the Europe's Association for Plastics and Rubber Machinery Manufacturers (EUROMAP) in China for the 31st time. CHINAPLAS is currently Asia's leading plastics and rubber trade fair.



protection and sustainable development, new energy vehicles and auto lightweighting demonstrate strong potential. Driven by intelligent driving and Internet of Things, the auto industry is undergoing unprecedented changes. Manufacturers have an urgent demand for new materials, new equipment, advanced processing technologies, automation, and AI. Cost reduction and efficiency improvement are the go-to strategies for both OEMs and suppliers. Aside from the commonly seen structural optimization, process and production efficiency improvement through technological innovation can provide viable solutions as well.

Nations around the world are accelerating their informatization as a strategic development

ry, and smart city will also trigger disruptive changes and create infinite space for innovative materials and processes.

Under the pressure of environmental protection, how to properly dispose of and reuse plastics has been a question in the spotlight. Multiple cities in China are implementing waste sorting. The European Union, Sweden, Canada, Peru, and other countries and regions have proposed plans to ban single-use plastic products. China escalated its waste ban to prohibit the import of all industrial waste plastics at the end of 2018, following the ban of imported consumer waste plastics at the end of 2017. India, Thailand, Malaysia, and other countries are also following the suit to ban import-

stress on technological innovation, with the focuses on 'smart manufacturing, innovative materials, green & circular economy', tackle the pain points of the industries, help increase their competitiveness, and seek breakthroughs in the difficult situation.

Ada Leung, General Manager of Adsale Exhibition Services Ltd., the show organizer of CHINAPLAS, remarks, 'The current market environment is full of challenges, but it is also a great time for strong companies to rise against the trend. CHINAPLAS 2020 continues to show strong booth bookings as seen in previous years, indicating the confidence of plastics and rubber suppliers in creating endless innovation and achieving success in the future. In the past 30 years,



16th October, Bogota

WHAT TO EXPECT FROM EXPODEFENSA 2019?

International tri-service security and defense exhibition, Expodefensa 2019, will present technologies and solutions adapted to the needs of Latin American and the Caribbean region. It will take place in less than two months, from 2 to 4 December in Bogota (Colombia).

Since its inception, Expodefensa is positioning itself as the leading Security and Defense event for Latin America and the Caribbean. Supported by the Ministry of Defense of Colombia, Expodefensa is organized by the Ministry of Defense, [Codaltec](#), [Corferias](#) and [COGES International](#).



In 2019, international exhibitors and subcontractors from all over the world will present the widest range of proven high-tech products and cost-effective solutions adapted to the regional requirements. They will exhibit alongside the Colombian armed forces and military industry, which are currently undergoing significant development.

In 2019, Spain is the country guest of honor. Among already registered Spanish companies are Navantia, SAES, JOMIPSA...

In addition to manufacturers, service companies, laboratories and research institutes, international organizations and public institutions will participate in the event.

Among the exhibited equipment and systems, Expodefensa presents **UAVs, bulletproof clothing, optronic, communication and cyber solutions, equipment and systems for naval, police and emergency sectors, logistics and maintenance** and many others.

Expodefensa 2019 welcomes official delegations, Security and Defense forces, manufacturers and trade visitors looking for business opportunities from Latin America and the Caribbean. **Over 12,000 professional visitors and more than 70 Official Delegations** are expected.

Expodefensa offers a **3-day workshops programme** covering diverse and complementary security and defense topics.

The trade fair is a **great opportunity to develop network and business**, to communicate with direct and potential clients, to reinforce international corporate identity and increase visibility on dynamic Colombian and Latin American market.

Expodefensa is **the unmissable meeting for all the Security and Defense players with interest in Latin American and the Caribbean market** who wish to discover, to understand, to meet and to discuss on this ever-evolving sector.

The 2019's edition will be held from **2 to 4 December** and already seems to be very promising.

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