

# COPS TODAY INTERNATIONAL



Governments And Businesses Are Becoming Inebriated By Technology

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## iPhone-unlocking technology is giving law enforcement access to encrypted data

### EDITORIAL

Law enforcement agencies across the country are scrambling to get their hands on technology that can "break into iPhones," Motherboard reports.

An investigation by Motherboard published Thursday found that police forces and federal agencies have purchased a tool called GrayKey, which can bypass encryption on even the most up-to-date iPhones so that officials can see contacts, messages, photos, and more. Each GrayKey unit is a small box outfitted with cables to connect iPhones, and there are two ver-



sions: One costs \$15,000 and can unlock 300 phones, while the other runs \$30,000 and can unlock an unlimited number of devices. Internal documents showed that state police in Maryland and Indiana, as well as local police in Miami, have plans to buy GrayKeys. The Secret Service is reportedly planning

more difficult bypass encryption — an argument frequently made in the push for devices that have a "back door" in their operating systems to allow law enforcement to access data when needed. GrayKey boxes make "back doors" less necessary, experts told Motherboard, but the increasing presence of such technology in law enforcement agencies means investigators can get any data they want, encrypted or not.

**COPS TODAY International** coming up with new shape and vision, is highly acclaimed by different sects of the society and all over the world. Internationally reputed Criminologist of Canada, Mr. John Winterdyke has contributed an article in this issue on acute gateway role of police in the criminal justice system. News from different spheres of police activities will surely enhance the knowledge of latest scientific development in police modernisation.



Dr. Tapan Chakraborty

Foundation for Police Research (FPR) feels that propensity of criminals and terrorism to cross national borders-to engage in "transnational crime"- is certainly not a new phenomenon; it is probably as old as the borders themselves. Borders were established to delineate the jurisdiction claimed by each state, and crossing national borders has often provided criminals with a way to mitigate or avoid the consequences of illegal acts. Yet in spite of a long, eventful history, there is strong evidence that transnational crime and terrorist activities have become more prevalent and serious today than ever before. Foundation for Police Research (FPR) is going to organise next gala event of Police Expo and Conference in the month of May, 2018 at Pragati Maidan, New Delhi. Theme of the conference is the *Future Challenge in Combating Transnational Terrorism and Crime*.  
*"Our courage and success is our reader and wellwisher"*

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# Chinese police use facial recognition technology to pick up a suspect in 60,000-strong concert crowd and arrest him

- Suspect, named only as Mr Ao, was arrested thanks to facial recognition
- Attending a pop concert with wife and friends when police stopped him
- Cameras with facial recognition technology alerted police of Mr Ao
- Mr Ao was wanted in connection with an 'economic dispute'

Chinese police have arrested a man using facial recognition, after high-tech cameras identified an alleged criminal among fans at a 60,000-strong pop concert.

The suspect, known only by his surname Ao, had been in attendance at a concert by Hong Kong singer Jacky Cheung, in Nanchang, Jiangxi province, southwest China, last week.



Despite being among thousands of fans, the system flagged Ao up to security thanks to facial recognition cameras and police arrested him at the show. Using facial recognition technology to

monitor the public is already wide-spread practice in

China. Around 40 local governments use its CCTV recognition to monitor individuals on government blacklists, particularly during festivals and other public events as well as in airports. Last month, some police began to don high-tech sunglasses that can spot suspects in crowded areas - the newest use of facial

recognition technology that has drawn concerns among human rights groups. The glasses send people's images to a database that checks their personal information. It is part of China's efforts to build a digital surveillance system able to use a variety of biometric data - from photos and iris scans to fingerprints - to keep close tabs on the movements of the entire population.

# Cyber security: 80 experts to be appointed soon in Andhra Pradesh

MANGALAGIRI: Chief Minister N Chandrababu Naidu has said that the police department should adopt modern technology to take policing to the next level.

He said that the State government would appoint 80 trained professionals for strengthening cyber security.

Speaking after inaugurating the Andhra Pradesh Police Tech Tower constructed at a cost of Rs 18 crore on the premises of DGP office at Mangalagiri on Thursday, Naidu said that a modern forensic science laboratory would be set up in the tower



soon. He said that the State police academy would be set up either in Anantapur or Vijayawada. He also said that the police department would issue monthly crime bulletins from May so

as to create awareness among the public regarding crime. He also appealed to the people to report crime to the police without any fear. The Tech Tower will

accommodate technology services wing, octopus wing, police recruitment board, police housing corporation and police transport organisation. Earlier, DGP M Malakondaiah said 35 modern police stations were under construction across the State. Tech Tower to get lab A modern forensic science lab will be set up in the Tech Tower soon, says CM



# A \$10 million grant will support Crime Lab collaboration for police innovation

## Grant from Ken Griffin supports strategic capabilities, research partnerships, officer supports

A \$10 million grant from philanthropist Ken Griffin will support a transformative new initiative to reduce violent crime in Chicago, through a collaboration with Mayor Rahm Emanuel, the Chicago Police Department and the University of Chicago Crime Lab.

The grant to the University of Chicago will strengthen violence prevention efforts by the city of Chicago and Chicago police by ensuring officers have the tools and support they need to more effectively fight violent crime and build community trust. It will accelerate proven programs, advance technology and data analytics, provide officer training and support, and launch an innovation fund to help make Chicago a safer place to live and work. The grant builds on the city of Chicago's comprehensive effort to promote effective and equitable policing and complements the work of city agencies and community partners implementing the city's public safety strategy. The University of Chicago is committed to advancing urban research with the potential to make a lasting impact in addressing society's greatest challenges.



Since the University launched the Crime Lab in 2008, the initiative has partnered with community organizations across the country to design, rigorously test and scale programs with the greatest potential to improve lives. These efforts include programs such as Choose to Change's trauma-informed mentoring and therapy for Chicago youth, and the recently launched READI Chicago initiative, which provides intensive transitional jobs and wraparound supports for those at the center of Chicago's violence. This new grant to support police innovation complements these other efforts to improve academic outcomes for youth, enhance income opportunities for those living in communities most impacted by violence and reduce the

harms of the criminal justice system.

"This incredibly generous donation will help us deliver on our comprehensive public safety strategy by expanding training, technology and trust between police and residents," said Emanuel. "This is another demonstration of how civic innovation, academia and philanthropy can come together to create meaningful and lasting impact for the city we all love. The impact of Ken's donation will be felt for generations to come."

The grant will support the Chicago Police Department and the Crime Lab's joint efforts to leverage data analysis, community input and technology resources to improve public safety in four key ways: sustaining the Crime Lab's support of

the strategic decision support centers, advancing the use of data analytics within the police department, strengthening training and other supports to frontline officers, and leveraging research and technical expertise to support a safer Chicago in every neighborhood.

"As a community, we are unified in our desire for Chicago to be a safer place to live and work. No child, anywhere, should be afraid to walk to school or play outside. A safer Chicago attracts more families and better jobs, and provides a better quality of life for all," said Ken Griffin. "I am proud to support the University of Chicago Crime Lab, whose programs have had a powerful impact on reducing violent crime. I hope this initiative inspires other leaders to

join the important efforts by many to make our city safer for everyone."

"The Crime Lab was created with the explicit goal of trying to make our city safer and more equitable for all who live here," said Roseanna Ander, founding executive director of Crime Lab. "This generous grant will further our efforts to use data and evidence to drive progress, building on our decade of partnership with city agencies and community-based organizations across Chicago. We are proud to work with Ken Griffin and the department to further these efforts to reduce violence, to promote community engagement and trust, and to enhance opportunities for all Chicagoans."



# Governments And Businesses Are Becoming Inebriated By Technology

"Intechication" is not a real word, but it is a real problem. Simply put, "intechication" is a term I've come up with to describe the intoxication-like effects of widespread over-reliance on technology throughout society today. We are all constantly reminded that distracted driving is as dangerous as drunk or drugged driving. Having developed predictive real-time technology to identify, document and disrupt crime, terror and piracy online, I have found that it's better to treat technology as a force multiplier than to treat it as a turn-key total solution. When data flows of online copyright infringement, criminal



activity and terror recruitment reach millions of streams with billions of viewers the data funnel must be sufficiently screened to allow manageable data inflow while allowing humans to multiply their efficacy in scale. It is a fine balance. Too many screens and too much data causes burnout. If an analyst's brain is exposed to too many inputs and too much data, it will

quickly need to be defragmented. In looking for a solution to this problem, I have found that one screen is optimal, two screens are less effective and three or more are essentially a source of distraction. Today we provide so much technology to law enforcement that they are often in a work environment populated with multiple screens and devices

which, in turn, leads to a constant river of data that needs to be absorbed and analyzed. In 2015, Stephen James, an assistant research professor at Washington State University, published a study on distracted driving among police officers in which he "found that driving was worse when fatigued, but the negative effect of distraction was even greater," he said. "And when they were distracted and fatigued at the same time, it was even worse than that." So what's the problem with too much data? Pirates, criminals, terrorists or other bad actors seek to hide and erase any evidence of their activities. What's

more, clues are often difficult to identify even when police are fully focused. In today's online world, analysts are confronted with exponentially larger haystacks containing smaller needles that may also be masked as something else online. This problem is only getting worse. Experts predict a 4300% increase in big data output by 2020. A number of recent events seem to indicate that analysts are missing pieces of actionable intelligence because there is so much new technology and data. What's more, these mistakes could lead to a great level of public danger.

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