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当前许多国家禁止初始硬币发行（ICO），加密货币价格崩溃，导致投资者损失数亿美元的多次黑客事件情况下，世界各地的中央银行正在努力提供中央银行数字货币（CBDC，又称 Digital Fiat Currency）为其数字经济提供该国主权数字货币的合法版本。

7月18日至20日，联合国国际电信联盟（ITU）法定数字货币焦点组第二次会议在纽约康奈尔大学科技园成功召开，本次会议汇集了来自法定数字货币的最高级别行业领袖、专家学者。

[Group photo]

**国际电信联盟（ITU）法定数字货币焦点组第二次会议召开
中国人民银行、瑞典、菲律宾、埃及等
多国央行高层齐聚纽约**

【SVTIMES 纽约报道】7月18日至20日，联合国国际电信联盟（ITU）法定数字货币焦点组第二次会议在纽约康奈尔大学科技园成功召开，本次会议由旧金山数字货币研究所和联合国国际通信联盟共同主办，来自中国人民银行、瑞典、挪威、菲律宾、巴西、埃及等国家中央银行代表进行了主题演讲，分享了该国在数字货币（DFC）项目的研究和试点计划。还有来自美联储，美国财政部，国际货币基金，国际清算银行，ISO，GlobalPlatform，

The banning of Initial Coin Offerings (ICO) in many countries, the collapses of cryptocurrency prices, and hacking incidents have caused investors hundreds of millions of dollars. These incidents have made central banks around the world speed up their efforts to offer their own central bank digital currency (CBDC, also known as Digital Fiat Currency), a legal version of the country's sovereign currency in digital form, for its digital economy.

The second meeting of the International Telecommunication Union (ITU) Focus Group on Digital Currency including Digital Fiat Currency (FG DFC) was successfully held at Cornell University Bloomberg Tech Campus from 18-20 July 2018. This conference brought together highly respected industry leaders, experts and scholars from the digital fiat currency field around the globe.

[Group photo]

The second meeting of International Telecommunication Union (ITU) Focus Group on Digital Currency including Digital Fiat Currency (FG DFC)

Senior central bank representatives from China, Sweden, the Philippines, and Egypt etc. gathered in New York

[SVTIMES New York] The second meeting of the International Telecommunication Union (ITU) Focus Group on Digital Currency including Digital Fiat Currency (FG DFC) was successfully held at the Cornell University Bloomberg Tech Campus from 18-20 July 2018. The conference was co-hosted by the Digital Fiat Currency Institute, the International Telecommunications Union. Central bank representatives from the People's Bank of China, Sweden, Norway, the Philippines, Brazil, Egypt and other countries delivered keynote speeches and shared their countries' experiences on research and Digital Fiat Currency (DFC) pilot projects. In addition, there were representatives

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GSMA, 盖茨基金, VISA 等机构负责人、行业专家超过 150 余人出席, 并参与了具体工作会议和圆桌讨论会议。

[Photo of David]

国际电联数字货币焦点组主席文武 (David Wen) 博士致辞

[Seminar photo]

国际电联数字货币焦点组主席文武 (David Wen) 博士对来自各国的与会者表示欢迎, 并在致辞中介绍了 2017 年 10 月由中国人民银行, 中国社会科学院和中国科学院在北京主办的首次焦点组会议所取得的成果。他表示, 在焦点组启动仅仅八个月就有来自全球二十多家中央银行申请加入了焦点小组, 其中七位央行的代表在本次工作会议上展示其国家银行的数字货币应用案例, 也使得本次会议创造了世界上最全面的工作于中央银行数字货币的全球专家的平台和最高级别的专业会议。

[Photo of Yiao]

中国人民银行科技司副司长、中国数字货币研究所所长姚前博士发表主题演讲

[Seminar photo]

自 2014 年以来, 中国人民银行在数字货币解决方案的研究和设计方面一直处于世界领先地位, 全球正在关注中国如何部署中央银行数字货币的解决方案。中国人民银行科技司副司长、中国数字货币研究所所长姚前博士做了

from the Federal Reserve, the US Treasury, the International Monetary Fund, the Bank for International Settlements, ISO, GlobalPlatform, GSMA, Bill and Melinda Gates Foundation, and VISA. In total, over 150 delegates and industry experts attended the meeting and participated in various working group and round-table discussions.

[Photo of David]

Welcome remarks by Dr. David Wen, Chairman of the ITU FG DFC

[Seminar photo]

Dr. David Wen, Chairman of the ITU FG DFC, welcomed the participants from all over the world and highlighted the results of the first meeting of this focus group in October 2017, co-hosted by the People's Bank of China, the Chinese Academy of Social Sciences and the Chinese Academy of Sciences in Beijing. Dr. Wen mentioned that in only eight months' time since the launch of this Focus Group, more than 20 central banks around the world have joined the focus group. Among seven of them would present their countries' applications of DFC at this meeting, making this meeting the world's most comprehensive platform on DFC.

[Photo of Dr. Yiao]

Dr. Yao Qian, Vice-Director General, Technology Department of the People's Bank of China, and Director, Institute of Digital Money People's Bank of China, delivered a Keynote speech

[Seminar photo]

Since 2014, the People's Bank of China has been a pioneer in the research and design of Digital Fiat Currency solutions, and the world is focusing on

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关于中国人民银行数字货币架构的主题演讲，分享了中国人民银行当前两层模型的详细功能以及架构设计，其内容得到了各国央行广泛的关注。姚前博士是中国金融标准委员会法定数字货币工作组主席，也是国际电联法定数字货币焦点组负责参考构架的副主席。他将负责把全球央行不同使用场景通过工作组共识达成国际标准的DFC构架。

[Photo of Robert Hockett]

Robert Hockett 教授，康奈尔大学金融机构和金融市场监管计划主任

[Photo of Joey]

**菲律宾央行 ePiso 项目负责人
Joey Mendoza**

[Photo of Michael Li]

腾讯金融平台技术总监 Michael Li

[Photo of Reed]

**Evernym Inc 首席信托官
Drummond Reed**

[Photo of Tom]

eCurrency CTO Thomas Kudrycki

自瑞典中央银行的加布里埃拉·吉伯格（Gabriela Guibourg）描述了数字货币项目——eKrona，它吸引了全球 33 家金融科技公司与公开招标过程，并将最终在 2018 年底之前确定解决方案。就菲律宾而言，

how China will deploy its central bank Digital Fiat Currency solution. Dr. Yao Qian, Vice-Director General of the Technology Department of the People's Bank of China and Director of the Institute of Digital Money, gave a keynote speech on the Digital Fiat Currency structure of the People's Bank of China, sharing the detailed functions and architectural design of the current two-tier model. PBOC is receiving a lot of attention from other central banks on this topic. Dr. Yao Qian is the Chairman of the Digital Fiat Currency Working Group of the China Financial Standardization Technical Committee and a Vice Chairman of the ITU FG DFC responsible for the Reference Architecture Working Group. He will be responsible for developing the international standards framework for DFC through the consensus of various DFC use cases from different central banks.

[Photo of Robert Hockett]

Professor Robert Hockett, Director of Cornell Program for Regulation of Financial Institutions and Financial Markets

[Photo of Joey]

Joey Mendoza, Lead ePiso project (The Chinese description was wrong)

[Photo of Michael Li]

Michael Li, Technical Director of Tencent Finance Platform

[Photo of Reed]

Drummond Reed, Chief Trust Officer, Evernym

[Photo of Tom]

Thomas Kudrycki, CTO, eCurrency

Gabriela Guibourg from the Sveriges Riksbank (The Central Bank of Sweden) presented Riksbank's Digital Fiat Currency project: eKrona. eKrona has attracted 33 financial technology

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ePiso 项目由黎刹商业银行 (Rizal Commercial and Banking Corp) 商业化, 使用了由硅谷技术公司 eCurrency 提供的 DFC 技术。该银行第一任高级副总裁玛格丽塔·洛佩兹 (Margarita Lopez) 提出了一个令人信服的案例, 说明 DFC 技术如何用于增强安全性, 并在许多小额贷款以及大量供应商网络中提供高效且可互操作的解决方案。ePiso 项目得到了菲律宾中央银行在其监管框架下的支持, 并已连续几个月成功运行。巴西中央银行和埃及中央银行代表也都详细描述了他们对 DFC 的案例研究, 这两个国家的试点也将很快启动。

随后来自国际结算银行, 国际货币基金组织, 盖茨基金会, 纽约联邦储备银行, 美国财政部的法律和经济专家, 斯坦福大学, 伯克利大学和康奈尔大学的教授举行了圆桌讨论, 并对这些中央银行的项目和技术进行现场辩论和讨论。

[Photo of Sarah]

[莎拉·布鲁姆·拉斯金](#)
(Sarah Bloom Raskin) 美联储
前董事、美国财政部前副部长

美国联邦储备委员会前董事会成员, 前美国财政部副部长莎拉·拉斯金 (Sarah Raskin) 女士就美国如何从历史角度看待加密货币和 ICO 的扩散发表了主题演讲。她表示, 加密货币种类繁多, 各类加密货币经常由少数关键参与者发起, 缺乏流动性从而

companies to participate in the request for proposals. Riksbank is expected to finalize the solution before the end of 2018. In the case of the Philippines, the Rizal Commercial and Banking Corp (RCBC) has commercially launched the ePiso project by adopting the DFC technology provided by eCurrency, a Silicon Valley based technology company. Margarita Lopez, the bank's First Senior Vice President, presented a compelling case of how DFC technology can be adopted to enhance security and to provide an efficient and interoperable environment in an ecosystem with a large number of microfinance consumers and retail suppliers. The ePiso project has gained support from Bangko Sentral ng Pilipinas (the Central Bank of the Philippines) under its regulatory framework and has been operating successfully since the launch.

Representatives of Banco Central do Brasil (the Central Bank of Brazil) and the Central Bank of Egypt also presented their case studies on DFC in detail, with a DFC pilot soon to be launched in these two countries.

In addition, representatives from the Bank of International Settlements, the International Monetary Fund, the Bill and Melinda Gates Foundation, the Federal Reserve Bank of New York, legal and economics experts from the US Department of Treasury, and professors from Stanford University, University of California, Berkeley, and Cornell University held round-table discussions on the topic of central bank DFC.

[Photo of Sarah]

[Sarah Bloom Raskin](#)
formerly Board of Governors of the
Federal Reserve System & United States
Deputy Secretary of the Treasury

Ms. Sarah Bloom Raskin, formerly Board of Governors of the Federal Reserve & United States Deputy Secretary of the Treasury, delivered a keynote speech on how the United States viewed the proliferation of cryptocurrency

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导致价格容易被不良行为者操纵，导致毫无戒心的投资者承受巨大损失。她认为，中央银行数字货币最终将为数字货币革命带来创新和稳定当下的混乱状况，从而让用户得到信任和高效率。

[Photos of David Chaum]

被誉为数字现金之父 David Chaum，早在 1983 年比特币出现的 25 年前，他就发明了数字现金 (Digital cash)

被誉为数字现金之父 (DigiCash) 的戴维·肖姆 (David Chaum)；在菲律宾创建第一个移动钱包的乔伊·门多萨 (Joey Mandoza)；以及让 mPesa 成为世界上最成功的移动支付系统的肯尼亚央行前董事会成员及首席执行官、著名经济学家恩朱古纳·恩东古 (Njuguna Ndung'u) 教授等专家，共同分享了他们在如何成功推广，部署和管理数字革命的建议和方法。这些宝贵的经验将帮助世界各地的中央银行成功部署未来的数字货币项目。

[Photo of Edward]

前中央情报局 (CIA) 密码中心主席，弗吉尼亚州中央情报局 (CIA) 总部 Kryptos 雕塑中密码系统的设计者 Edward M. Scheidt

[Photo of Ndung'u]

Njuguna Ndung'u 教授，肯尼亚内罗毕大学经济学副教授，肯尼亚中央银行前行长，肯尼亚第一位完成两个任期的州长，曾被肯尼亚授予“燃烧之矛” (CBS) 最高奖。

[Photo of Jacques]

and ICO from a historical perspective. She said that there are many types of cryptocurrencies in the market, these cryptocurrencies are often created by a small number of key participants. The price of these cryptocurrencies can easily be manipulated due to lack of liquidity, resulting in huge losses for investors. She believes that the central bank issued digital currency will bring innovation and stability to the e-money revolution, allowing users to gain trust and efficiency.

[Photos of David Chaum]

David Chaum invented Digital Cash in 1983, 25 years before the appearance of Bitcoin.

David Chaum, widely recognized as the inventor of digital cash (DigiCash); Joey Mandoza, who created the first mobile wallet in the Philippines; and the former Board Member and Governor of the Central Bank of Kenya, renowned economist Professor Njuguna Ndung'u, who made mPesa the world's most successful mobile payment, shared their experiences on how to successfully promote, deploy and manage the digital revolution. These valuable experiences are highly useful to guide central banks around the world in planning their upcoming Digital Fiat Currency projects.

[Photo of Edward]

Edward M. Scheidt, Former Chairman of the Central Intelligence Agency (CIA) Cryptographic Center and the designer of the cryptographic systems used in the Kryptos sculpture at the Central Intelligence Agency (CIA) headquarters in Virginia

[Photo of Ndung'u]

Professor Njuguna Ndung'u, former Governor of the Central Bank of Kenya. He was the first governor of Kenya to complete two terms and was awarded the Burning Spear (CBS).

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Jacques Francoeur 圣荷西州立
大学

Faculty Cyber Executive-in
Residence

[Photo of Alpha]

腾讯 FINTECH 高级安全专家
Alpha Wang

[Photo of Klaus]

Klaus Loeber, 欧洲中央银行创
新工作组 CPMI 监督主管

[Photos of breakout sessions]
分组主题研讨会

会议还有来自金融机构，银行和移动支付公司的许多行业专家，分享数字货币技术和最佳实践方面的最先进发展，并讨论如何提供允许中央银行监管其服务的技术使用数字货币。国际标准组织成员以及安全专家共同就数字货币解决方案带来的安全优势和风险进行了研讨。

据悉，联合国国际电信联盟（ITU）法定数字货币焦点组本次会议，为全球数字货币专家搭建合作平台，这也是世界各主要国家中央银行之间相互讨论其正在进行的 DFC 项目的唯一平台会议。它将对各国中央银行如何应对加密货币和 ICO 热潮带来的混乱和不稳定产生巨大影响。显而易见，当前环境使得各国央行加快了部署数字货币解决方案的脚步，并且预计在一到两年内就可以达到临界点，各国中央银行正在对未来实现全国范围内发行数字货币而探讨和努力。

[Photo of Jacques]

Jacques Francoeur, Faculty Cyber Executive-in
Residence, San Jose State University

[Photo of Alpha]

Alpha Wang, Senior Fintech Security Expert,
Tencent

[Photo of Klaus]

Klaus Loeber, Head of Oversight, European
Central Bank, Innovation Working Group
CPMI

[Photos of breakout sessions]

Thematic Panel discussions

Industry experts from financial institutions, banks and mobile payment companies also attended the conference, sharing their views on the latest developments in e-money technology and best practices, and discussing how to enable monitoring from central banks on existing e-money technology. Members of the International Standards Organization (ISO) and other security experts have jointly discussed the security advantages and risks of Digital Fiat Currency solutions.

It is reported that this ITU FG-DFC meeting has created a cooperation platform for Digital Fiat Currency participants around the globe. This is also the only platform for central banks to discuss and exchange information of their ongoing DFC projects. This Focus Group will have a huge impact on how central banks respond to the chaos and instability caused by the cryptocurrency and ICO proliferation. The current environment has accelerated central banks' response on deploying its own Digital Fiat Currency, and is expected to reach the tipping point in the coming one to two years. Central Banks are actively exploring the

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联合国国际电信联盟 (ITU) 是创建全球电信和信息技术标准的机构，本次焦点组会议研讨成果也将集结成出版物，做为法定数字货币领域内的权威参考。同时，本次会议的主办方之一旧金山数字货币研究所 (

Digital Fiat Currency Institute of San Francisco) 也将在未来，将国际电联指导下的数字货币实验室建立在非洲地区和中国。关于数字货币实践和部署的新发展请关注联合国国际通信联盟官方网站 www.itu.int

issuance of a nationwide DFC in the future.

The International Telecommunication Union (ITU) is a body that creates global telecommunication and information technology standards. The results of this Focus Group meeting will be compiled into a publication serving as an influential reference document in the field of Digital Fiat Currency. In the meantime, the Digital Fiat Currency Institute of San Francisco, one of the sponsors of the conference, will establish the DFC laboratory under the guidance of ITU in the African region and in China. Please follow the official website of the International Telecommunications Union (www.itu.int) for the latest developments of Digital Fiat Currency.