



I would like to congratulate the Communications Association of Hong Kong (CAHK) on its publication of the “2021 Official Guide to ICT Industry in Hong Kong”. With the theme “5G in Reality”, the 2021 edition is poised to be an important resource as the world collectively navigates a new era of technology applications with 5G capabilities.

5G technology is expected to bring significant improvements to transmission speeds and stability compared to 4G, which in turn could mean more possibilities for digital technology applications and better user experiences. Despite the challenges brought by the epidemic, the 5G market is still growing at a fast pace, catapulting Internet of Things (IoT) development while generating numerous applications that are redefining our everyday lives and the workplace. The types of devices on the market available with 5G capabilities continue to climb swiftly, with a persistent rise in commercial availability. The Global System for Mobile Communications Association (GSMA) has predicted that 5G will contribute \$2.2 trillion to the global economy between 2024 and 2034, with over 1.8 billion 5G connected devices by 2025.

The opportunities are vast, and Cyberport is ready to work with CAHK to capture them. With an innovative digital community comprising nearly 1,600 start-ups and technology companies, Cyberport is committed to nurturing a vibrant tech ecosystem by cultivating talent, fostering industry development, and integrating new and traditional economies by accelerating digital transformation in the public and private sectors. As a digital technology hub, we focus on the development of three major application clusters, namely FinTech, smart living, as well as digital entertainment, all of which can benefit from 5G technology.

Around 80% of respondents in a recent Cyberport Community survey indicated that they are currently developing 5G technology related solutions. In fact, some of Cyberport’s start-ups have added related technologies to their repertoire and are actively engaging in the 5G market. For example, Formula Square’s RV (Real Virtuality) Racing allows players to use remote-controlled vehicles on physical racing tracks in First-person View (FPV) through dedicated WiFi networks, but with 5G technology, the company will be able to allow racers to join remotely off-site and even abroad; AR/VR smart glasses manufacturer MAD Gaze, with the increased speed and stability of 5G, could apply their solution towards bleeding edge digital entertainment experiences and further expand their footprint within the B2C market.

Cyberport has further strengthened the matching between enterprises and start-ups in the field of 5G and encourages both parties to seize opportunities for collaboration. Cyberport has been actively supporting its start-ups to take part in the Subsidy Scheme for Encouraging Early Deployment of 5G launched by the Office of the Communications Authority in May this year. Out of the first 10 projects approved, four Cyberport companies have been granted funding. Cyberport also lines up start-ups with well-established technology companies and telecom providers to create synergy and drive 5G technology enablement. This June, Microsoft, together with Cyberport and HKT, unveiled its 5G IoT Makerspace on the Cyberport campus to inspire and enable start-ups to experiment with their solutions using Microsoft’s technologies under a 5G environment.

Cyberport will continue to cultivate the 5G ecosystem in Hong Kong, and will partner with 5G service providers to offer 5G development kits for start-ups to expedite product development, and will launch a 5G Lab which will include a variety of 5G-enabled environments for real-life testing and showcase opportunities.

5G advancement will unleash unprecedented possibilities for smart city development, I look forward to more rapid collaboration on a greater scale with CAHK and other industry partners to foster technological growth in Hong Kong.

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我謹祝賀香港通訊業聯會出版的雙年刊物《2021年香港通訊業概覽》。隨著世界共同探索5G創新應用時代，今年概覽以「活出5G世代真體驗」為主題，有望能引領大家邁進5G新時代。

5G技術在傳輸速度及穩定性方面，都較4G大幅提升，為數碼科技應用帶來更多可能性和更佳用戶體驗。面對新型冠狀病毒疫情帶來的挑戰，5G市場仍然蓬勃發展，引領物聯網技術迅速提升，而市場上亦陸續出現改變日常生活及工作場所的科技應用。隨著商業可用性不斷提高，市場上具有5G功能的設備數量和類型繼續迅速攀升。GSM協會預測，2024至2034年間，5G將為全球經濟貢獻2.2萬億美元，並預計2025年全球接通5G網路的設備將達到18億部。

5G帶來龐大商機，數碼港已作好準備與香港通訊業聯會攜手抓緊機遇。數碼港的創新數碼社群擁有接近1,600家初創企業和科技公司，一直致力培訓人才、促進行業發展，同時加快公私營機構採用數碼科技，推動新經濟及傳統經濟融合。作為數碼科技樞紐，數碼港重點推動的科技範疇，包括金融科技、智慧生活以及數碼娛樂，都可以受惠於5G技術。

數碼港最近與初創社群進行的一項問卷調查中，就有約80%受訪者表示他們正在開發與5G技術相關的解決方案。事實上，數碼港有不少已配備相關技術的產品，已準備「落地」應用，例如Formula Square的實體虛擬賽車，本來利用特別設定的WiFi網絡讓賽手以第一身視覺控制遙控車在實體賽道奔馳；現時透過5G傳輸，即可讓身在家中，甚至外國的玩家，操控賽車參與遊戲；AR/VR智能眼鏡生產商MAD Gaze，亦因5G提高速度和穩定性，增強數碼娛樂體驗，積極拓展B2C市場。

數碼港亦一直積極在5G領域上，加強企業與初創的配對，促成更多合作機會。政府於今年5月推出「鼓勵及早使用5G技術資助計劃」，數碼港便積極支持初創參與，而計劃首十個獲批資助項目當中，有四個屬數碼港初創項目。此外，我們亦着力連繫初創與知名科技公司及電訊商，為發展5G方案的初創提供技術支援並製造協同效應。今年六月，微軟聯同數碼港及香港電訊成立的Microsoft 5G IoT Makerspace，就在數碼港園區正式啟用，旨在激發和推動香港初創團隊運用5G網絡和Microsoft技術探索和試驗其IoT解決方案。

數碼港亦將進一步強化數碼港的5G生態系統，與電訊商合作為初創提供5G開發套件，加速產品開發，並在園區設立5G Lab，提供不同配備5G網絡的場景，讓初創進行實景測試以及展示產品。

5G的進程將為智慧城市發展，揭示前所未有的可能性。我期待與香港通訊業聯會和其他行業合作夥伴更緊密合作，共同促進香港數碼科技發展。

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