



## **AI Innovation to Significantly Increase the Value of Semiconductors with 5G** **Masahiro Wakasugi, Sr. Analyst, Bloomberg Intelligence**

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Artificial Intelligence (AI) could completely change the world. New and innovative services and products should proliferate rapidly, including autonomous driving, cooperation robots (cobots), robotic surgery, remote operation of construction machinery, gaming and drones. What is common to these new services is that semiconductors will replace some or most of human functions, boosting demand for semiconductors, chip-making equipment and foundry services.

The AI technology should have large impacts on the society with 5G wireless communication, creating new business opportunities such as virtual reality live-viewing of sports and concerts. The AI and 5G fusion should boost demand for not only 5G wireless products for mobile equipment and network infrastructure, but also entertainment contents such as music, video streaming, gaming and sports. The fusion of AI and 5G technology should offer an infinite range of possibilities, which will eventually further increase the value of semiconductors.