### AUSTRALIA'S SPACE SCIENCE AND INDUSTRY CONFERENCE

8<sup>th</sup> SPACE FORUM AND 19<sup>TH</sup> AUSTRALIAN SPACE RESEARCH CONFERENCE Monday 30 September 2019 Adelaide Convention Centre, Hall M, Ground Floor, West Building Facilitated by Mr Nicola Sasanelli AM, Director, South Australian Space Industry Centre

SmartSatCRC - Building Australia's industry

# "ULVAC's Technology Strategy for Smart Society"

## 30 September, 2019 Koukou Suu Executive officer and Senior Fellow, ULVAC, Inc.

## Who is ULVAC ? Business Field



ULVAC

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### **Smart Society : The electronization of all industries**

Worldwide society issues: : population expansion, aging society, urbanization



## **Enabling Technologies for Smart Society**



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# Smart Satellite - Global initiatives utilizing Space -



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# SoftBank's Approach: Communication connections from the stratosphere



https://robotstart.info/2018/05/25/docomo-39ghz.html

O High obstructions prevent communication
O No communication during a disaster
O High costs of base station construction



# Wide-area connectivity that spans both the sky and the ground



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# **Enabling Technology for the Smart Satellite**



The scales are different in space and the ground, but the underlying technologies are the same.

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