



ASX Announcement

## BrainChip Announces Prof. Emeritus Alan Harvey joins Scientific Advisory Board

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- BrainChip Research Institute Expands Scientific Advisory Board
  - Focus on the columnar organization of the brain for next generation networks
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**Sydney, Australia – 17 May 2021**– [BrainChip Holdings Ltd](#) (ASX: BRN), a leading provider of ultra-low power, high performance AI processor technology today announced that Prof. Emeritus Alan R Harvey, a prominent neuroscientist, has joined the BrainChip Research Institute’s Scientific Advisory Board (SAB).

BrainChip founder and CEO, Peter van der Made said: *“We are excited to have Professor Harvey on board. The BrainChip Research Institute is exploring new territories beyond the capabilities of today’s neural networks, and beyond the autonomous learning and ultra-low power capabilities of Akida 1. For this reason, we are investigating the columnar structure of the neocortex, and Professor Harvey’s knowledge and experience in this area will be a considerable asset to us. With Akida 1 we have opened the door to further advancement in the field of AI, where Deep Learning showed gaps and limitations. We can go beyond the capabilities of Deep Learning because we copy the dynamics of the brain.”*

Prof. Harvey joins Nobel Laureate Prof. Barry J. Marshall, Prof. Adam Osseiran and Prof. Simon J. Thorpe as a member of BrainChip’s SAB. The SAB was established to provide BrainChip with leading insights into the application of beneficial Artificial Intelligence across a wide spectrum of applications, including Smart Health.

Prof. Alan Harvey added, *“Brainchip research and development is very promising and I am excited to join the Company’s Scientific Advisory Board and work with Barry, Adam, Simon and Peter to work on advancing the next generations of neural structures.”*

Smart Health is a branch of healthcare where neural network technology, medical and virology research meet to enable new intelligent technologies to deliver the rapid interpretation of clinical tests.

Born in London, UK, Alan Harvey holds a BA and a MA from the University of Cambridge, and a PhD in visual neurophysiology from the Australian National University, Canberra. After spending time in the USA and at Flinders University in Adelaide, Alan Harvey came to UWA in 1984. He was promoted to Professor in 2001 and in 2016 became an Emeritus Professor. He was for a number of years a member of the WA Reproductive Technology Council and chair of their scientific advisory committee. He has been a Board member of the Neurological Council of WA and of the Perron Institute for Neurological and Translational Science. He is currently an Honorary Senior Research Fellow of the Perron Institute and a member of their research advisory committee.

**This announcement is authorised for release by the BRN Board of Directors.**

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## About Brainchip Holdings Ltd (ASX: BRN)

BrainChip is a global technology company that is producing a groundbreaking neuromorphic processor that brings artificial intelligence to the edge in a way that is beyond the capabilities of other products. The chip is high performance, small, ultra-low power and enables a wide array of edge capabilities that include on-chip training, learning and inference. The event-based neural network processor is inspired by the spiking nature of the human brain and is implemented in an industry standard digital process. By mimicking brain processing BrainChip has pioneered a processing architecture, called Akida™, which is both scalable and flexible to address the requirements in edge devices. At the edge, sensor inputs are analyzed at the point of acquisition rather than through transmission via the cloud to a data center. Akida is designed to provide a complete ultra-low power and fast AI Edge Network for vision, audio, olfactory and smart transducer applications. The reduction in system latency provides faster response and a more power efficient system that can reduce the large carbon footprint of data centers.

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