

ICNS Neuromorphic Processing Conference 2022 - MARCS Conference Series 15/11/2022

10:00am	Morning Tea and Registration		
10:30am	Welcome and Acknowledgement of Country		
10:40am	Keynote: Professor André van Schaik		
11:00am	Paper Talks		
	11:00am- 11:30am	Dr Travis Monk (ICNS)	<i>Neuromorphic engineering: taking inspiration from the animal kingdom</i>
	11:30am- 12:00pm	Dr Ying Xu (ICNS)	<i>Building neuromorphic systems on electronic devices</i>
	12:00pm- 12:30pm	Dr Alexandre Marcireau (ICNS)	<i>Experimental theoretical neuroscience</i>
12:30pm	Lunch		
1:00pm	Tour and Demonstrations		
2:00pm	Poster Sessions and Coffee with Cochleas: Interactive Demos and Workshop		
	Pablo Urbizagastegui		<i>Learning Spatiotemporal Patterns with Low-precision Recurrent Spiking Neural Network</i>
	Andrew Jolley		<i>Neuromorphic event-based sensors for space situational awareness</i>
	Nicholas Ralph		<i>Real-time Event-based Unsupervised Feature Consolidation and Tracking for Space Situational Awareness</i>
	Sami Arja		<i>Event-based Atmospheric Mapping and Localisation from the ISS</i>
	Philip C Jose		<i>Hardware Architecture for Event-Driven Feature Extraction Algorithms</i>
	Priyanka Bharadwaj		<i>One-bit-per-weight: A single precision network for edge devices</i>
	Samalika Perera		<i>An FPGA-based Emulation of an Event-based Vision Sensor Using Commercially Available Camera: An Initial Study</i>
4:00pm	Closing Address		