

# Waves of Change

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Lambton, Australia

10 September - 10 October, 2018.



During my PhD studies I developed a 3D dynamic visualisation to explore the dynamics of changing bids and ask in the stock market. Known as depth of market data, this display provided a novel way to consider waves of buyers and sellers entering and leaving the market over time. Waves that drive the market prices.

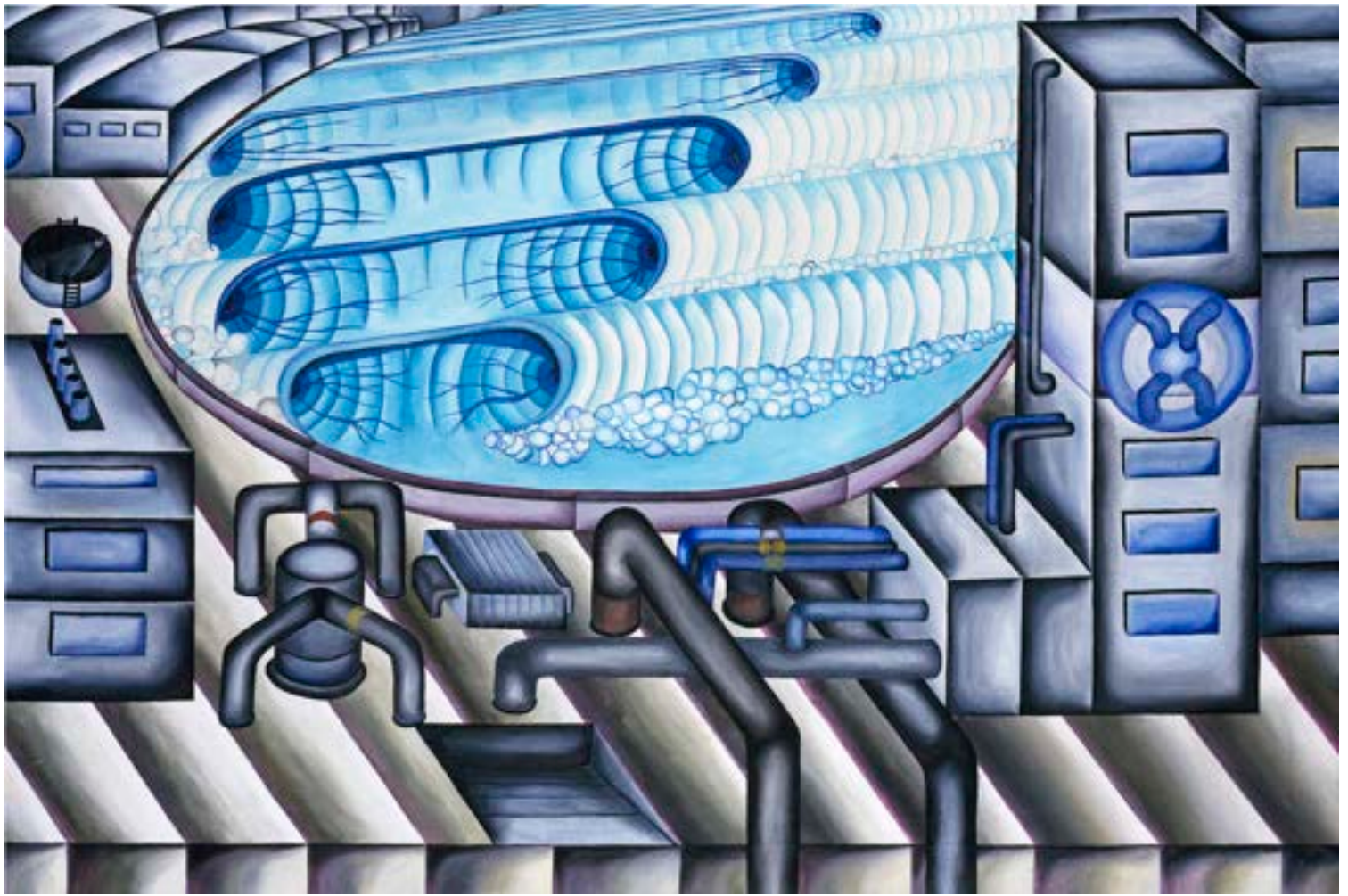
Stock Market data remains a fascinating domain. The field of technical analysis suggests that as well as fundamental economic drivers many of the subtle patterns that recur in stock market data are a function of changing human emotions. They are driven by waves of fear and greed, generating waves of buying and selling. These waves are in opposition, often over many times scales and drive shifts in the market prices.

My interest in waves and dynamic patterns has carried on with research into the use of similar wave metaphors to display other types of dynamic information using Ambient or Peripheral Displays

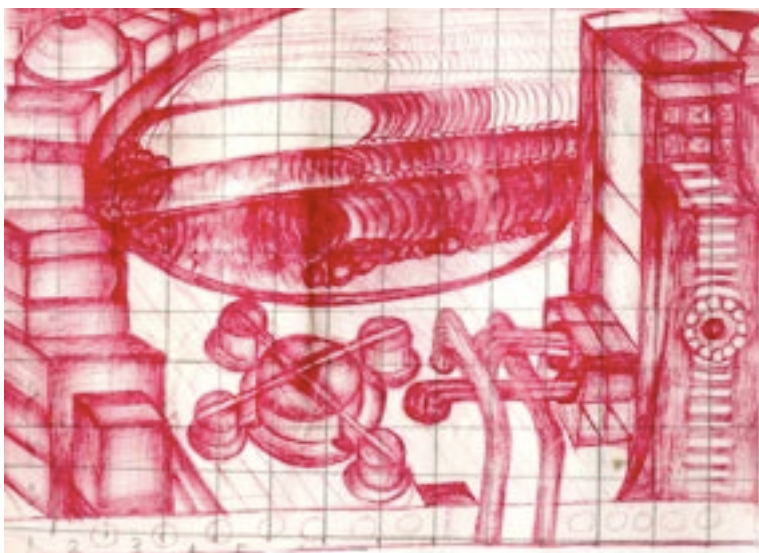
In this exhibit, located in the offices of stock market trading company I present some of my wave paintings. These were painted over a long period of time from 1981-2007.

# Fusion Point

1981



Fusion Point was a vision into the future of a mechanically perfect wave. In 1978 I wrote a short science-fiction, called “Fusion Point”, to describe this surf break. The idea was that a bank of ancient solar power cells were covered over by the rising water levels caused by green house warming from the coal-fired power plants.



Fortunately, the slope of these submerged solar cells created a perfect surf bank. The waves themselves were generated by the excess energy dumped from the more recently constructed fusion power station.

# Forces of Change

2000



De Bono's book "You are right and I am wrong" provides some good analogies of the way human thought patterns become rigid and resist change. Strong emotions such as anger and love are two mechanisms that allow thought patterns to change, providing a new way of looking at things. I had been exploring in my mind the elements of fire, earth, air and water in regard to personality traits. This picture considers these elements as geological forces of change. A few years later a devastating tsunami washed across south-east asia and this picture was on the wall near the TV set as I watched the news unfold tinting it with new meaning about change. As I painted the picture I thought quite a lot on how our emotions assist in the more practical task of maintaining or changing the viewpoints, the model of the world we build in our minds. Fundamental things like our sense of right and wrong, myths of good or bad. In Western religions these are often casted in political notions of good and evil. In contrast many Asian religions and the role of creation and destruction work together in harmony over long cycles of time.

# Visions on the Harbour

2007



## Harbour Visions

First the storm and sea collide,  
Then the devils come to ride  
They tread like angels over tide.

Dream pictures did last sleep provide  
I saw the sun begin to rise,  
Saw pyramids by harbour side.

First the storm and sea collide,  
Then the angels come to ride  
They tread like devils over tide.

