

## Varuna

Welcome to Varuna University's technology conference, where the city's state of the art transportation systems, renewable energy sources, and sustainable living processes are showcased. While visiting, enjoy the moderate temperatures, averaging 24 degrees Celsius along the southeastern Australia Pacific coastline. Breathtaking views of the Diamond Mountains and foothills dotted with koalas and eucalyptus can be enjoyed while dining on ocean harvested cuisines. Be sure to experience the Aborigine Cultural Center, Marsupial Nature Preserve, or historical Boomerang Bridge. All are easily accessible by moving sidewalks, biking or via the Varuna Express Tube (VET). The Ocean Wave Technology Center and DNA Science Lab will be part of the conference tour. Both of these facilities were essential in the success of cancer eradication, 3D organ printing and sustainable energy. This has made Varuna a global leader in innovation and healthcare, with life expectancy averaging 97 years!

Celebrating Varuna's 200<sup>th</sup> anniversary, it's hard to visualize 150 years ago when city officials believed the growing population and transportation problems were impacting Varuna's economic, social, and cultural life. Today, at over 500,000 residents, Varuna is a lively, urban city with all the modern amenities. Beautiful parks, soccer stadiums, and water perfect for snorkeling provide outdoor enjoyment. A transportation marvel, the VET is a 3 portal express loop zipping above existing roads, underground, and underwater. Portals and buttresses constructed of high strength, translucent concrete, are both functional and aesthetically pleasing. Solar powered, driverless V-pods, appear to float, but are propelled along a track using electromagnets and electricity. V-pods are designed to carry cargo, passengers, and cars. First responders have priority in the center portal, resulting in top emergency response times in all of Australia.

Ocean wave and thermal energy, called Venergy, coupled with floating solar islands equipped with wind turbines provide 100% of Varuna's energy supply. The desalination plant provides fresh water to residents and salt byproducts are used at the lucrative sea salt spa facility. Both water and electricity are sold to neighboring cities. Algae and seaweed are harvested and converted into clean burning algal fuels used by all surface vehicles.

Varuna's buildings are constructed in "stacking levels" enabling them to easily expand. Solar paint and solar panels also adorn the structures. Buildings strictly adhere to storm, wastewater and waste management guidelines that require green roofs, rain capturing devices and recycling. All wastewater is treated, cycled back into the water system, essentially going from "toilet to tap". Waste is also collected, pelletized, then torrefied into biofuel.

Specially designed Vpads and Vcomputers are used by students for hands on learning. Students can request avatar professors that hologram in on demand for individualized instruction.

Don't bring cash. All transactions use biometrics which are linked to your banking, medical, and other pertinent data. Don't know how to drive? No problem. All transportation modes are "driverless". Special microchips and sensors allow for vehicle to vehicle communication. Simply input your destination and let your vehicle do the driving. Enjoy Varuna and experience moving onward and upward!

Word Count: 496