

Virtual delivery of temperature and moisture sensation- Quokka device (Technion)**code:** COM-1744

Virtual and augmented reality (V/AR) compose a large part of developing technologies in fields such as medicine, gaming and communication. The basis of V/AR is sensory stimuli, the ability to experience something through human senses. Currently, visual & auditory stimuli are well developed in contrast to haptics (touch). This new development, Quokka, aims to control the temperature of a local area on human skin using thermoelectricity and peltier elements (two inter-connected metal sheets). When electricity passes through the connectors, the plates change their temperature according to the direction of the current, and this change is felt on the skin.

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