Breast cancer detection

While ultrasound imaging is becoming widespread, x-rays are still used in many applications. To improve the accuracy and reduce exposure, NASA is developing a new system that uses ultrasound imaging to guide x-ray exposure. This system, called mammography, is particularly useful for detecting breast cancer. The system works by using a combination of ultrasound and x-ray imaging to create detailed images of the breast. This allows doctors to more easily identify tumors and other abnormalities. The system is currently being tested at NASA's Jet Propulsion Laboratory in Pasadena, California.

Gait analysis laboratory

A gait analysis laboratory has been established at Stanford University in Palo Alto, California. The laboratory is being used to study the effects of certain conditions on human gait. The study involves the use of special equipment to record and analyze the movements of people with various conditions, such as cerebral palsy or spinal cord injuries. The data collected is then used to develop new treatments and therapies for these conditions.

Walking pattern of crippled child is measured and recorded without the inhibiting tangle of wires in soles of shoes and miniature radio transmitters send signals to receiver without wires.