

U2D Inc. Releases neuPhone on Kickstarter to Bring Personal Radiation Detection to Everyone

/EINPresswire.com/ The neuPhone is a new True, Fast Radiation Detection Device. The neuPhone is a neutron detector that attaches to a smartphone. The neuPhone can be used to find and learn about neutron radiation, a radiation different than alpha, beta, or gamma!

U2D Inc. releases neuPhone on Kickstarter to bring personal radiation detection to everyone.

The neuPhone: a new True, Fast Radiation Detection Device Using Your Smartphone.



neuPhone: True, Fast Radiation Detection Using Your Smartphone

The neuPhone is a neutron detector that attaches to a Smartphone. It can be used to find & learn about neutron radiation, a radiation different than alpha, beta, or gamma! The patented system can be used to learn about neutron radiation at home or in the classroom. There may be neutron radiation near where people, live, work, & play. The neuPhone can detect this radiation and identify how much dose is received from a source. Advanced features integrate with a Smartphone allowing for location mapping. The technology is particularly useful for nuclear event scenarios such as Fukushima.

It is not well known that neutrons have relatively high biological effectiveness, and are roughly ten times more effective at causing biological damage compared to gamma or beta radiation of [equivalent radiation exposure](#). Neutrons are particularly damaging to soft tissues like the cornea of the eye!

Based on a new silicon/lithium-based technology these radiation detectors do not rely on [Helium-3](#). Helium-3 is a very rare gas and it is getting ridiculously expensive. Because of this, radiation detectors for neutrons are generally not readily available to the average person or educator. Furthermore, most other radiation detectors that can currently be purchased are simply only detecting gamma radiation. Paul Scott developed the working prototype seen on Kickstarter. He & David Hicks, both engineering graduates from Missouri University of Science & Technology, are working to build on this technology and further improve radiation detection beyond the current 1960s based devices.

Kickstarter campaigns operate under an “all-or-nothing” funding model so if the neuPhone project doesn’t reach its goal at the end of 30 days then it might be a couple years before it is seen on the market. The project can be followed at www.kickstarter.com <http://kck.st/YXaMI7> or visit U2D Inc.’s website www.u-2d.com. Options are available to donate as little as \$1 to help their project come to life. Higher valued donations offer a return such as a shirt or the possibility to be one of the first to own a neuPhone and meet the founders, Paul & David.

If more information is needed about the neuPhone project, or to schedule an interview with Paul or David, please email paul@u-2d.com or david@u-2d.com or send a tweet @pi933

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Paul studied Electrical Engineering (B.S.) and Physics (M.S., Ph.D.) and previously operated PiSquared Research before founding U2D Incorporated. He is an accomplished electrical engineer and published physicist. David joined Paul to start U2D with his operations & business experience. David studied Engineering Management/Industrial Engineering (B.S.) and Business (M.B.A.) and lead Operations, Engineering, & Quality in several industries, including electronics. Their expertise, design skills, and entrepreneurial spirit make them a great combination to move [neutron detection](#) into the 21st century.

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