

For Immediate Release

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**nVerpox - 2016 Innovation Zone Award Winner  
Society for Information Display's Annual International Symposium  
San Francisco May 22 - 27 2016**

nVerpox, an nH2 company, was honoured as this year's recipient of the prestigious Best Prototype Award at 2016 Display Week. The award is bestowed by the Society for Information Display (SID) Innovation Zone Committee, which recognised nVerpox's Vertical Organic Light Emitting Transistor (OLET) as the show's outstanding pre-production technology.

SID's Display Week is the premier international event for the electronic screen and display industry, where breakthrough technologies are introduced. Dr. David Cheney, Head of Research & Development Systems for nVerpox, said *"attendees were impressed as we unveiled the first CN-VOLET QVGA panel, which was fabricated on a single TFT LCD transistor backplane using current industry standard materials and processes. We have known for a while that we have something really special."*

nVerpox has pioneered a revolutionary OLET technology to solve the OLED backplane problem and enable the cost-effective production of large area OLED displays.

At the Innovation Zone (I-Zone), nVerpox presented the world's first full-aperture OLET display. At the heart of this breakthrough is nVerpox's proprietary CN-VOLET: a revolutionary pixel architecture that combines three key circuit elements into a sequentially deposited, vertical, transparent stack allowing organic semiconductors to accomplish what previously required high mobility inorganic materials. This in-turn permits an ultra-simple pixel circuit that accommodates an emissive aperture ratio of 70%. The backplane can now be made using the existing tried-and-true a-Si TFT LCD backplane process and manufacturing infrastructure. This will lower manufacturing costs and mitigate capital investment risk. The high aperture ratio boosts OLED lifetime and is ideal for bottom emission—a key requirement for large size displays. In addition, the technology is ideally suited for flexible displays. Dr. Max Lemaitre, Head of Research & Development of Flexible Technology for nVerpox, said *"This will enable display makers to produce longer lasting, lower cost displays and ultimately foster the transition to fully flexible displays leading to new and exciting products for the consumer"*.

This year, six stand-out exhibitors at Display Week were recognised and awarded for excellence in their respective categories, from among nearly 200 exhibitors. Among these honours, is the Innovation Zone's (I-Zone) coveted Best Prototype Award. The I-Zone, which only accepts new, innovative and cutting edge technologies to participate through a highly competitive selection process, honours as Best Prototype the stand-out participant. Winners are chosen for their ability to generate excitement within the display industry, along with the general public, global media and analyst communities.

Sri Peruvemba, SID Board Director and Head of Marketing, stated *"Being selected to Display Week 2016 I-Zone and winning The Best Prototype Award as judged by SID's world renowned panel of experts is a great honour and testament to the unique technology that nVerpix has created"*.

Dr. Bo Liu, Chief Technology Officer and Co-founder for nVerpix, said *"the award means a lot to us. We appreciate the opportunity provided by the SID and the I-Zone committee to let the industry see and recognise our truly innovative solution to enable OLED displays. This further adds to our momentum as we take the next exciting step to large scale manufacturing"*. Dr. Mitchell McCarthy, Chief Science Officer and Co-founder added, *"We are gaining momentum in the development of this product and are already making progress with the next phase. Early stage discussions are shortly to happen with manufacturers and commercially interested parties. The coming year will undoubtedly be exhilarating."*

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For further Information, contact :

Mark Edwards, Director Communications, nH2

[mark@nH2.com](mailto:mark@nH2.com)

07801480 322

Notes :

nVerPix is a subsidiary of nH2, the global scientific platform focused on advanced material invention and commercialisation through the identification and manipulation of compounds at the atomic scale. Together with leading scientists we discover new technology breakthroughs that will disrupt multi billion dollar markets.

#### **About SID**

The Society for Information Display (SID) is the only professional organisation focused on the display industry. In fact, by exclusively focusing on the advancement of electronic display technology, SID provides a unique platform for industry collaboration, communication and training in all related technologies while showcasing the industry's best new products. The organisation's members are professionals in the technical and business disciplines that relate to display research, design, manufacturing, applications, marketing and sales. To promote industry and academic technology development, while also educating consumers on the importance of displays, SID hosts more than 10 conferences a year, including Display Week, which brings industry and academia all under one roof to showcase technology that will shape the future. SID's global headquarters are located at 1475 S. Bascom Ave., Ste. 114, Campbell, CA 95008. For more information, visit [www.sid.org](http://www.sid.org)

#### **About Display Week 2016**

The 53<sup>rd</sup> SID International Symposium, Seminar and Exhibition, or Display Week 2016, took place May 22-27 at the Moscone Convention Center in San Francisco, Calif. Display Week is the premier gathering of system integrators, designers,

consumers, scientists, engineers and manufacturers in the field of electronic information displays.