

## Citation for ORA 2012 – Professor Loh Kian Ping

Professor Loh Kian Ping is a highly creative researcher, whose work has put NUS and Singapore on the world map for graphene research. Among his prolific work, Kian Ping has published a series of high profile papers, including 11 in the *Journal of American Chemical Society* and 4 in *Nature* between 2008 and 2012.

Kian Ping's research work is highly competitive, and has attracted numerous grants, including the National Research Foundation Competitive Research Programme grant, to NUS.

Kian Ping is a key founding member of the NUS Graphene Centre. His pioneering research on graphene includes transforming fullerene molecules into graphene quantum dots, (this was published in *Nature Nanotechnology*); and engineering geometrically precise graphene nanobubbles on substrates, which was published in *Nature Communication*. In a paper published in *Nature Photonics*, Kian Ping investigates how graphene guides and interacts with electromagnetic waves and demonstrates for the first time that graphene can be a broadband polarizer.

As an authority in his field, Kian Ping has given more than 40 invited, keynote and plenary lectures on graphene internationally. Based on the intellectual property developed in his research, Kian Ping has even spun off a company that has so far attracted an investment of a million dollars from North America.

Kian Ping's research and its entrepreneurial applications, epitomize the type of high-impact research that has helped distinguish NUS, as a leading research-intensive university.

For his research accomplishments, Kian Ping received the Faculty Young Scientist Award in 2007, the University Young Scientist Award in 2008, the Department Outstanding Chemist Award in 2009, and the Faculty Outstanding Scientist Award in 2011. He was a recipient of the Singapore Millennium Foundation Research Horizons Award in 2010, and was conferred the Dean's Chair Professorship in the same year. Just four years ago, Kian Ping was here to receive the Young Researcher Award, at the University Awards 2008. This evening, Professor Loh Kian Ping will be conferred the Outstanding Research Award.