

## **NL Nanosemiconductor establishes Scientific Advisory Board**

NL Nanosemiconductor GmbH, a leader in the commercialization of Quantum Dot technology for semiconductor lasers, has announced the appointment of several distinguished experts to its Scientific Advisory Board from the field of Quantum Dot technology.

Joining the Board as the Honorary Chairman is the renowned Nobel Laureate, Professor Zhores I. Alferov of the Abram Ioffe Institute in St Petersburg and Vice-President of the Russian Academy of Sciences. For his pioneering contributions in developing semiconductor heterostructures used in high-speed- and opto-electronics, Professor Alferov has received numerous significant awards including the Nobel Prize in Physics in 2000.

Heading the Board as Chairman is Professor Dieter Bimberg, who is the Executive Director of the Solid State Physics Institute at the Technical University of Berlin and Chairman of the National Center of Competence on Nano-Optoelectronics. Professor Bimberg's **groundbreaking** research activity is focused on the physics and technology of nanostructured devices such as quantum dot lasers and amplifiers.

Also joining the Board are the prominent scientific researchers Professor Pallab K. Bhattacharya of the University of Michigan, Professor Dennis G. Deppe of the University of Texas and Professor Victor M. Ustinov of the Ioffe Institute in St Petersburg. Known for their outstanding work in the growth and characterization of advanced optoelectronic devices, each has made significant contributions to the field of semiconductor lasers, especially in the advancement of Quantum Dot technology.

The goals of the Board include strengthening ties between industry and academic / government sponsored research institutions concerning Quantum Dot technology; exploring the impact of Quantum Dots on target markets; investigating innovative new applications which could be enabled; as well as providing a detailed vision of the potential and future direction of the technology for NL Nanosemiconductor GmbH.

Commenting on the establishment of the Board, Professor Bimberg stated "We anticipate that NL Nanosemiconductor GmbH will take the leading role in bringing most of what we all as scientists worked on in the past decade to market".

Echoing these sentiments, Professor Bhattacharya said "High-performance quantum dot lasers are ready for commercialization and NL Nanosemiconductor GmbH will take the lead in this effort"

Professor Alferov added "After years of research, we are now at the initial stage of the practical application of Quantum Dot technology in many fields – it is very satisfying to see a vision evolve into reality."