

Quantum Dot Lasers from QD Laser Selected by IEEE SPECTRUM as a Winner for Telecommunications

- Special report feature article highlights potential of quantum dot lasers from QD Laser for high-speed “fiber to the home” networks -

Tokyo, January 30, 2009 – QD Laser, Inc., announced today that its quantum dot lasers have been selected by IEEE SPECTRUM magazine as a Winner for Telecommunications, in the special report WINNERS & LOSERS 2009: The Year's Best and Worst of Technology, featured in the IEEE SPECTRUM January 2009 issue. In a feature article entitled “Winner: Quantum Leap”, quantum dot lasers from QD Laser high-speed were highlighted for their potential to “make high-speed ‘fiber to the home’ networks simpler, cheaper, and more power-efficient”. The “high-speed, low-power, temperature-stable lasers” were selected as a winner for being “equally applicable to optical networking and consumer electronics”, under QD Laser’s goal “to commercialize a reliable and inexpensive semiconductor laser” that is “also immune to temperature changes”.

QD Laser, Inc., started as a joint venture of Fujitsu Limited and Mitsui Ventures, leveraged quantum dot technology researched and developed by the University of Tokyo and Fujitsu Laboratories Limited, to create these high-speed, power-efficient, and temperature-independent lasers for optical communication. Development of the technology and lasers were driven as a joint effort by the research teams of Professor Yasuhiko Arakawa - Technical Advisor at QD Laser, Inc. and head of the Institute for Nano Quantum Information Electronics of the University of Tokyo, and that of Mitsuru Sugawara - president and CEO of QD Laser, Inc. – and vice-head of the Nanotechnology Research Center of Fujitsu Laboratories Limited.

Yasuhiko Arakawa, Technical Adviser at QD Laser, Inc. and head of the Institute for Nano Quantum Information Electronics at the University of Tokyo said, "It is a great honor for QD Laser's quantum dot lasers to be selected as a Winner for 2009 by IEEE SPECTRUM. Since the first proposal of the quantum dots, I have been dreaming that quantum dot lasers would become available in the commercial market some day. Now, I am happy to see QD Laser make this dream a reality. Our efforts will open a new paradigm of quantum-mechanics, to bring great innovation for realizing a green ubiquitous IT society".

“It is a great honor for our quantum-dot lasers to be selected as a Winner for Telecommunications by IEEE SPECTRUM. We believe that our temperature-insensitive and energy-saving technologies based on quantum dots will contribute to the development of ubiquitous broadband networks, as well as a variety of new laser-based consumer electronics”, said Mitsuru Sugawara, president and CEO of QD Laser, Inc. and vice-head of the Nanotechnology Research Center of Fujitsu Laboratories Limited.

Related Websites

QD Laser, Inc.: www.qdlaser.com

Feature article in IEEE SPECTRUM, January 2009, Special Report: WINNERS & LOSERS 2009, The Year's Best and Worst of Technology, “Winner: Quantum Leap”:

<http://www.spectrum.ieee.org/jan09/7104/1>

<http://www.spectrum.ieee.org/jan09/7104/2>

About QD Laser, Inc.

Founded in April 2006 with capital funded by Fujitsu Limited & Mitsui Ventures, with headquarters located in Tokyo, Japan. QD Laser Inc. is a technology leader in the field of quantum dot based semiconductor optical devices, based on more than ten years of research on semiconductor quantum dot technologies in collaboration between Fujitsu Laboratories Ltd. and the University of Tokyo in Japan. For more information: www.qdlaser.com

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