Oral Presentation

[PRJ2]Optical Components

Chair: Hidekazu Hatanaka (USHIO) Co-Chair: Juiwei Pan (Chiao Tung Univ.) Thu. Nov 28, 2019 9:00 AM - 10:20 AM Room 108 (1F)

9:00 AM - 9:20 AM

[PRJ2-1(Invited)]Watt-class Operation of GaN-based Blue and Green

Laser Diodes

*Hideki Watanabe¹, Yusuke Nakayama¹, Yukio Hoshina¹, Masahiro Murayama¹, Yuichiro Kikuchi², Yukihisa Kogure², Yasuhiro Kadowaki², Koichi Mizutani³, Takahiro Koyama¹, Noriyuki Fuutagawa¹, Hidekazu Kawanishi¹, Toshiya Uemura³, Katsunori Yanashima¹ (1. Sony Corporation (Japan), 2. Sony Semiconductor Manufacturing Corporation (Japan), 3. Toyoda Gosei Co., Ltd. (Japan)) Keywords:Visible laser diodes, High power, GaN, Projector

Visible laser diodes have recently attracted a great deal of attention as light sources for various display and lighting applications. In this paper, recent progress in green and blue lasers developed at Sony, which realize watt-class output power, are reported.