

# 電気学会研究会資料目次

## 光・量子デバイス研究会

〔委員長〕 杉岡幸次（理化学研究所）

〔幹事〕 椿本孝治（大阪大学）、永田 豊（理化学研究所）

〔幹事補佐〕 大越昌幸（防衛大学校）

日 時 平成20年9月17日（水） 14:00～17:15

9月18日（木） 9:00～12:00

場 所 Imiloa Astronomical Center (Hilo, Hawaii, USA)

テーマ「Advanced coherent light sources, optics and these applications」

### Session 1. High performance coherent light sources and these applications

OQD-08-37 A method for an intracavity green laser with high-pulse-energy operation

Jun Izawa, Fumio Matsuzaka, Norihito Kawaguchi,

Miyuki Masaki, Atsushi Yoshinouchi, Nobuhiko Kubota (IHI Corporation) …… 1

OQD-08-38 High-power diode-pumped zigzag slab lasers and applications

Toshiyuki Kawashima, Ryo Yasuhara, Tadashi Ikegawa,

Takashi Kurita, Takashi Sekine, Ryuji Katai, Hirofumi Kan (Hamamatsu Photonics)

Keiichi Sueda, Junji Kawanaka, Noriaki Miyanaga (Osaka University) …… 5

OQD-08-39 Ultrashort-pulse mode-locked Yb:YAG laser overcoming the fluorescence spectrum limit

Shinichi MATSUBARA (RIKEN)

Sakae KAWATO (University of Fukui)

Yuzo ISHIDA (Riken Wako Institute) …… 11

OQD-08-40 HIGH-POWER SCALING of YB FIBER LASER in the LONG WAVELENGTH RANGE

Akira Shirakawa,

Hiroki Maruyama, Ken-ichi Ueda (University of Electro-Communications) …… 15

OQD-08-41	Dependence of surface harmonics generation properties on carrier-envelope phase of few-cycle laser field Hidetoshi Nakano, Atsushi Ishizawa, Katsuya Oguri (Nippon Telegraph and Telephone Corporation) .....	19
OQD-08-42	High-Pulse-Energy, High-Average-Power, Ultra-Short-Pulse Laser, — "GENBU"-Project and its Status —  Junji Kawanaka (Osaka University) Ryo Yasuhara (Hamamatsu Photonics) S. J. Pearce, Akira Yoshida (Osaka University) Toshiyuki Kawashima (Hamamatsu Photonics) .....	25
 <b>Session 2. Advanced optics and astronomical applications</b>		
OQD-08-43	Deep ultraviolet generation by quasi-phase-matched quartz  Muneyuki Adachi, Jun Nakanishi (NIMS, NIDEK) Sunao Kurimura (NIMS) Ken-ichi Hayashi (NIDEK) .....	29
OQD-08-44	Adaptive Optics with Deformable Mirror  Masayuki Momiuchi, Hiroyuki Kawashima (Topcon Corporation) .....	33
OQD-08-45	DEVELOPMENT OF EYE-SAFE 2-M LASER FOR REMOTE-SENSING  Oleg A. Louchev, Yoshiharu Urata (Megaopto) Masaki Yumoto, Norihito Saito, Satoshi Wada (RIKEN) .....	37
〈Special lecture〉	Exoplanet detection & characterization with coronagraphic imaging  Oliver Guyon (University of Arizona) .....	43
OQD-08-47	High power all solid-state yellow laser for SUBARU telescope  Yoshihiko Saito, Meguru Ito, Yutaka Hayano (National Astronomical Observatory of Japan) Norihito Saito, Satori Wada (RIKEN) Kazuyuki Akagawa, Akira Takazawa, Mayumi Ito (Megaopto) .....	49
OQD-08-48	Photonics crystal fiber for the high power sodium D <sub>2</sub> line laser  Meguru Ito, Yutaka Hayano, Yoshihiko Saito, Hideki Takami, Masanori Iye (National Astronomical Observatory of Japan) Norihito Saito (The Institute of Physical and Chemical Research) Kazuyuki Akagawa, Akira Takazawa, Mayumi Ito, Satoshi Wada (Megaopto) .....	53

共 催 国立天文台ハワイ観測所  
独立行政法人理化学研究所 固体光学デバイス研究ユニット  
協 賛 次世代光・量子制御技術調査専門委員会