

NEWS & ANALYSIS

Page 32



20 Photonics Technology News

Reflection of multilayered surfaces measured
Natural fiber optic plates
Short laser pulses facilitate hybrid CARS techniques
Linking perceived surface properties to image statistics
Ultrafast laser achieves quill-like writing
Optical techniques reveal clues about ancient 'comb jelly' embryos

32 Accent on Applications

At the bottom of the sea
NIR imaging for deep space

36 Photonics BusinessWorld

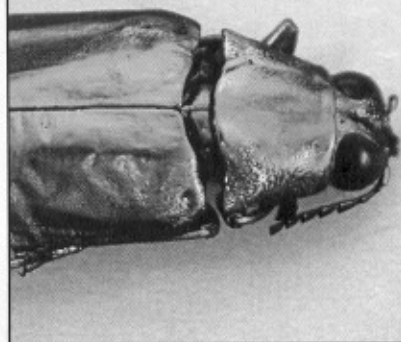
CVI Laser to acquire Melles Griot
Rofin-Sinar acquires companies in US, UK
Townes Laser Institute dedicated in Florida
OSA joins research site
IEC issues revised laser safety standard
NASA chooses sensor manufacturer
Satisloh enlarges precision optics unit
Plextronics receives grant
Photon Dynamics, Salvador Imaging create new company
Company to acquire Eastman Kodak unit
3S Photonics is launched

Ionatron receives Naval contract for technology
Companies will supply compatible devices
Veeco Instruments, Leica Microsystems ally for research

102 Photonics Research

Going negative in the visible
Compact Raman laser generates eye-safe, nanosecond pulses
Edge-emitting photonic crystal nanolaser
Cavity-dumped laser with pulses adjustable from 170 to 900 ns
Fiber polarizer for telecom application

Page 20



DEPARTMENTS

Editorial Comment	10	Resource Guide		Advertiser Index	162
Company Index	12	Calendar	113	Peregrinations	164
Presstime Bulletin	16	New Media	119	Talented tail may have tale to tell	
		Innovative Products	128		

The Cover

The cover shows a Jet Propulsion Laboratory image of the sun. See story on page 54 about the role of lasers in the solar power industry. Design by Lisa N. Comstock, art director.

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PHOTONICS SPECTRA (USPS 448570) is published monthly by Laurin Publishing Co. Inc., Berkshire Common, PO Box 4949, Pittsfield, MA 01202. +1 (413) 499-0514; fax: +1 (413) 442-3180; e-mail: photonics@laurin.com. ISSN-0731-1230. TITLE reg. in US Library of Congress. Copyright © 2007 by Laurin Publishing Co. Inc. All rights reserved. Copies of Photonics Spectra on microfilm are available from University Microfilm, 300 North Zeeb Road, Ann Arbor, MI 48103. Photonics Spectra articles are indexed in the Engineering Index. POSTMASTER: Send form 3579 to Laurin Publishing Co. Inc., Berkshire Common, PO Box 4949, Pittsfield, MA 01202. Periodicals postage paid at Pittsfield, MA, and at additional mailing offices. CIRCULATION POLICY: Photonics Spectra is distributed without charge to qualified scientists, engineers, technicians and management personnel. Eligibility requests must be returned with your business card or organization's letterhead. Rates for others as follows: \$122 per year, prepaid. Overseas postage: \$28 surface mail, \$108 airmail per year. Inquire for multiyear subscription rates. Publisher reserves the right to refuse nonqualified subscriptions. ARTICLES FOR PUBLICATION: Scientists, engineers, educators, technical executives and technical writers are invited to contribute articles on the optical, laser, fiber optic, electro-optical, imaging, optoelectronics and related fields. Communications regarding the editorial content of Photonics Spectra should be addressed to the group publisher. Contributed statements and opinions expressed in Photonics Spectra are those of the contributors — the publisher assumes no responsibility for them.

PHOTONICS:

The technology of generating and harnessing light and other forms of radiant energy whose quantum unit is the photon. The range of applications of photonics extends from energy generation to detection to communications and information processing.

FEATURES

CCD Cameras

**64 Market Forecast:
Positive for Machine Vision**

by *Caren B. Les, Associate News Editor*

64 Interlaced Goes Digital

by *Michael Cyros, Allied Vision Technologies Inc.*
Interlaced sensors in FireWire cameras aid applications such as ophthalmology.

66 Car Dashboard Tested with Robotic Vision

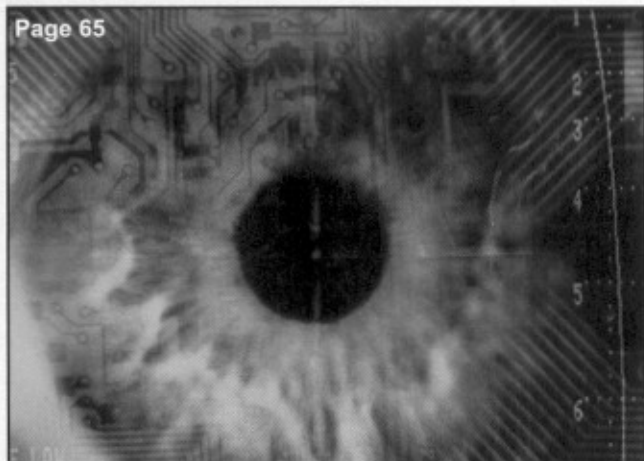
by *Dipl.-Ing. (FH) Andreas Tarnoki, VMT Vision Machine Technic Bildverarbeitungssysteme GmbH*
An automated image processing system uses eight cameras to test up to 70 characteristics.

**68 Gigabit Ethernet Cameras Inspect
Paper and Steel**

by *Henning Tiarks, Basler Vision Components*
Lossless data transmission results in a higher-quality product and increased production capability.

**70 Internal Digital Signature
Enables Data Protection**

by *Dieter Gellrich, Kappa opto-electronics GmbH*
Bringing the electronic signature process to the camera boosts image authentication.



**46 Photonics
for Art's Sake**

by *Hank Hogan, Contributing Editor*
A look at how photonics helps art be art, and at where the state of the art is headed.

**54 Lasers May Brighten the Solar
Market**

by *Dave Clark, Rajesh Patel, Jim Bovatsek and Wolfgang Juchmann, Spectra-Physics, a division of Newport Corp.*

**60 Seven-Year Update Drives
National Laser Safety
Standard Forward**

by *the Laser Institute of America*
Definitions and protocols are refined and simplified to improve safety, increase productivity and lower costs.

**74 Diverse Photonics Research
Part of University's
Curriculum**

by *Eric W. Van Stryland, University of Central Florida*
Research includes lasers, display devices and detector technologies.

**80 Integrated Wavelength
Control for Diode-Pumped
Lasers**

by *Dr. Robert S. Williamson III, Alfalight Inc.*
Wavelength-stabilized pump diodes can enhance solid-state laser performance.

86 LEDs and Displays

Building better nanotubes for displays
Analytical method for computing color patterns in LEDs
Measuring LED junction temperature

**91 Spectroscopy
Focus**

A small and cheap spectrometer

92 Microscopy Focus

Hyperlens achieves 130-nm resolution
Microscope slide enables ~70-nm resolution
Getting the 'hole' picture up close

98 Nanophotonics

Ultrabroadband light source helps pinpoint structure of organic semiconductors
A crane for very small construction sites

Page 54

