



TOPICS—SUBJECT TO CHANGE

LASER+ PHOTONIK

Topics Preview, Issue 1/2012

Publication date: March 1, 2012
Advertising closing date: February 1, 2012



Industry focus: Laser technology, materials processing, medical technology, biophotonics, spectroscopy, image processing
TRADE SHOWS: Photonics West (San Francisco), MEDTEC (Stuttgart, Germany)

IMAGE PROCESSING

Title story – Higher megapixel resolution now also available for infrared cameras.

FLIR Systems, Frankfurt am Main, Germany
<http://www.flir.com/de/>

INTERVIEW – PHOTONICS / NEWS

Jenoptik celebrates 20 years – The managers of the two Jenoptik segments ›Lasers & Materials Processing‹ (Dr. Thomas Fehn) and ›Optical Systems‹ (Dr. Dirk Rothweiler) talk about the company's 20th anniversary.

Jenoptik, Jena / Germany
www.jenoptik.de

LASER TECHNOLOGY – MATERIALS PROCESSING

Simple technology with huge potential – Compact DPSS lasers with a pulse length between 100ps and 1ns open up new, so far virtually unexplored possibilities in materials processing.

InnoLight, Hannover / Germany
www.innolight.de

Direct diode technology – An interview with Dr. Peter Leibinger (Head of Laser Technology & Electronics at Trumpf) about the technology and business of Trumpf's laser diode manufacturing in Princeton, NJ.

Trumpf Laser & Systemtechnik, Ditzingen / Germany
www.de.trumpf.com/produkte/lasertechnik.html

MATERIALS PROCESSING – MEDICAL TECHNOLOGY

UV can do more – Direct laser production methods already compete with specialized industrial processes while exceeding their quality and providing cost savings (for small batch and single piece production).

LPKF, Garbsen / Germany
www.lpkf.de

BIOPHOTONICS – LASER SYSTEM TECHNOLOGY / NANO TECHNOLOGY

Laser tweezers x64 – The integration of 64 individually controllable laser diodes makes it possible to micro-handle 64 particles.

FISBA, St. Gallen / Switzerland
www.fisba.ch

IMAGE PROCESSING – BIOPHOTONICS

Cooperation – A highly flexible design concept for product development is introduced using the example of a DiaMed malaria scanner.

MAXX Vision, Stuttgart / Germany – www.maxxvision.com
Imaging Diagnostics, Israel – www.imagine2d.com
DIAMED Medizintechnik, Cologne / Germany – www.diamed.de

IMAGE PROCESSING – SPECTROSCOPY / BIOPHOTONICS

New in hyperspectral imaging – So far, hyperspectral optoelectronics were only available in "block" format. IMEC shows its skills in the area of photonic integration to make this technology smaller.

IMEC, Leuven / Belgium
www.imec.be

SPECTROSCOPY – LASER TECHNOLOGY / ENVIRONMENT

More than 3µm – Industry-grade DFB laser diodes with wavelengths exceeding 3µm for efficient and highly sensitive gas sensor systems.

Nanoplus, Oberer Kirschberg / Germany
www.nanoplus.de

LIGHTING TECHNOLOGY – MEDICAL TECHNOLOGY / BIOPHOTONICS

Versatile light – An LED-based lighting system for use in the hospital and OR or even during surgery itself.

Schott, Mainz / Germany
www.schott.de



LASER+ PHOTONIK

NEW PRODUCTS

Image processing, sensor systems, smart cameras,
industrial lighting technology (LEDS/OLEDs)
Optoelectronics, measuring technology

► The editorial team reserves the right to change
articles and topics to reflect the latest news ◀

CONTACT

Editorial team:

Dr. Gregory Flinn (gregory.flinn@hanser.de)

Phone: +49 89 99830-650

Liane Thiele (liane.thiele@hanser.de)

Phone: +49 89 99830-612

Advertising manager:

Martin Ricchiuti (martin.ricchiuti@hanser.de)

Phone: +49 89 99830-686

Publishing house agent:

Annemarie Scharl-Send

Phone: +49 8144 99695-12, Fax: -14

E-mail: a.scharl-send@salescomm.de



Berlin, Franconia, and New Länder:

Bärbel Wenzel-Rachow

E-mail: wenzel-rachow@t-online.de

Sole agent for Switzerland:

Rico Dormann

Phone: +44/7208550, Fax: +44/7211474,

E-mail: dormann@rdormann.ch



Issue 1/12 Laser+Photonics also distributed at the following
trade fairs:

