

6<sup>th</sup> **FINAL CALL FOR PAPERS**  
**International Conference on Optics-photonics**  
**Design & Fabrication**  
(co-located with OPTO Taiwan 2008)

**ODF '08**  
**Taipei**

*“ODF '08, Taipei”*  
*June 9-11, 2008*



**Taipei International Convention Center (台北國際會議中心)**  
**Taipei, Taiwan**

**Organized by**

The Optical Engineering Society, Taiwan  
NCU (National Central University / Taiwan)  
ODG (Optics Design Group of OSJ / Japan)

**Co-organized by**

Industrial Technology Research Institute  
Photonics Industry & Technology Development Association  
National Tsing Hua University  
National Chiao Tung University

**Sponsored by**

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NSC (National Science Council / Taiwan)  
Optical Society of Japan (Japan Society of Applied Physics)

**In Cooperation with**

International: ICO (International Commission for Optics) • EOS (European Optical Society) • OSK (Optical Society of Korea) • OSA (Optical Society of America) • SPIE (The International Society for Optical Engineering) • Taiwan: Taiwan Optics/Optoelectronic Manufacturers' Association • The Physical Society of ROC • Chinese Institute of Engineers • Japan: Applied Optics Meeting in Taipei • IECE (The Institute of Electronics, Information and Communication Engineers) • IEEEJ (The Institute of Image Electronics Engineers of Japan) • JIEP (Japan Institute of Electronics Packaging) • JOEM (Japan Optomechatronics Association) • JOMA (Japan Optical Measuring Instruments Manufacturer's Association) • JPS (The Physical Society of Japan) • JSMBE (Japanese Society for Medical and Biological Engineering) • JSPE (The Japan Society for Precision Engineering) • LSJ (The Laser Society of Japan) • OITDA (Optoelectronic Industry and Technology Development Association)

**Technical Co-sponsor**

IEEE/LEOS (The IEEE Lasers and Electro-Optics Society)



(Some of above cooperative organizations are under negotiation.)

**Paper Submission Date: Sep. 1, 2007 - Jan. 10, 2008**  
**<http://www.odf08.tw>**

# INTRODUCTION

The 6<sup>th</sup> International Conference on Optics-photonics Design & Fabrication “ODF’08, Taipei” will be held on June 9-11, 2008 in Taipei, Taiwan. Optics-photonics design and fabrication will continue to play a significantly important role in the 21<sup>st</sup> century achieving harmony between technology and the environment. ODF’08 is intended to provide an international forum for original paper presentations and discussions of optics-photonics design and fabrication related technological and scientific topics. These topics include theory, design, fabrication, testing, applications and others.

The conference will be held at the Taipei International Convention Center which is near the highest building in the world ” Taipei 101 ”. ODF’08 is aimed to promote international collaboration among the participants in this field including related companies’ exhibition and sight seeing tour.

Collaboration and Competition make progress.

“Join us at *ODF’08, Taipei!*”

## SCOPE OF THE CONFERENCE

ODF’08 is an international forum for the engineers and scientists in field of Optics-photonics Design and Fabrication to exchange their ideas and achievements for the future mutual progress. ODF’08 will be held at the same site as OPTO Taiwan’08, the biggest optics & photonics industrial annual exposition organized by PIDA (Photonics Industry & Technology Development Association) in Taiwan. The conference will consist of the sessions for optics-photonics design, simulation, optical components, optical systems, and optical technology. These sessions will cover the field of optical theory, fabrication and testing, software, DOE’s, micro-optics, nano-optics, photonic crystals, thin films, waveguides, MEMS, Lasers, fiber communications, information optics, optical storage, optical lithography, microscopy, displays, bio-science and others.

## CATEGORIES AND PRELIMINARY LIST OF INVITED SPEAKERS

### Plenary

*K. Itoh (Osaka Univ. / Japan)*

*“Nonlinear Ultra-fast Focal-point Optics for 3-D Microscopy of Organic and Inorganic Substances”*

*J. C. Wyant (Univ. Arizona / USA)*

*“Advances in Interferometric Surface Measurement”*

*P. Yeh (Univ. of California, Santa Barbara / Taiwan)*

*“Thin Film Design for Liquid Crystal Displays”*

## **Lighting Optics**

*J. C. Minano (Univ. Politécnica de Madrid / Spain)  
“Free form optics for illumination”*

*C. C. Sun (National Central Univ. / Taiwan)  
“White-light LED modeling and lighting design”*

## **Category 1. Optical Design / Simulations**

*E. Betensky (Light Capture Inc. / Canada)  
“Zoom lenses: a continuing evolution”*

*M. Kuwata (Mitsubishi Electric / Japan)  
“Optical System for Rear Projection Display” - tentative title*

*C. K. Lee (National Taiwan Univ. / Taiwan)  
Title to be confirmed*

*R. Ng (Refocus Imaging / USA)  
“Computational photography” - tentative title*

## **Category 2. Optical Components / Devices**

*C. Du (Chinese Academy of Sciences / China)  
“Imaging Properties for Subwavelength Metallic Structured Lens”*

*H. Kikuta (Osaka Prefecture Univ. / Japan)  
“Glass Molding for subwavelength structured surfaces”*

*C. Lee (National Univ. of Singapore / Singapore)  
“Optical MEMS and Nanophotonics” –tentative title*

*H. H. Park (Information and Communications Univ. / Korea)  
“Application of fiber-optic technology for PCB-based optical interconnection systems”*

*R. Voelkel (SUSS MicroOptics / Switzerland)  
“Micro-optics fabrication” –tentative title*

*J. A. Yeh (National Tsing Hua Univ. / Taiwan)  
“A Dielectrically Driven Liquid Lens”*

## **Category 3. Optical Systems**

*M. Gu (Swinburne Univ. of Tech. / Australia)  
Title to be confirmed*

*B. Lee (Seoul National Univ. / Korea)  
“100 Years of Integral Imaging - A Three-Dimensional Display Technique with Full Parallax”*

*T. Matsuyama (Nikon / Japan)*

*“Microlithographic projection lens for 32nm half-pitch generation and beyond”*

*C. K. Sun (National Taiwan Univ. / Taiwan)*

*“THz Biochip”*

*P. Torok (Imperial College London / UK)*

*“Imaging micropolarimetry”*

#### **Category 4. Optical Technology**

*S. J. Chen (National Cheng Kung Univ. / Taiwan)*

*“Surface Plasmonic Microscopy for Live Cell Membrane Imaging”*

*C. Depeursinge (Advanced Photonics. Lab. / Switzerland)*

*Title to be confirmed*

*A. A. Kamshilin (Univ. of Kuopio / Finland)*

*“Statistics of dynamic speckles in application to distance measurements”*

*K. Shimizu (Hokkaido Univ. / Japan)*

*“Scattering suppression for imaging through diffuse medium  
- Clear transcutaneous fluorescent imaging of small animals –”*

(Full list of invited speakers will be shown in the ODF'08 Home Page in December 2007)

# PREPARATION OF ABSTRACT AND MANUSCRIPTS

A limited number of original papers will be accepted for presentation. Authors are required to submit a 35-word Abstract and 2-page Manuscripts. The paper must be submitted online. Please confirm the submission procedure on the ODF'08 Home Page. The copyright of the article published in the ODF'08 Technical Digest is to be transferred to the Optical Engineering Society, Taiwan and the Optical Society of Japan (OSJ). The authors are required to agree to the copyright transfer in the online submission procedure at the same time as the 35-word abstract and the 2-page manuscripts are submitted.

## ● 35-word Abstract

Abstract should be up to 35 words in text format. Please avoid the use of scientific and engineering symbols in the abstract. The abstract which is longer than 35 words will be shortened by the program committee. If the paper is accepted, the abstract will appear in the Advance Program.

## ● 2-page Manuscripts

2-page camera-ready manuscripts including text, figures, tables and references must be typed single spaced on an A4 or letter size paper, with the title followed by the author's name, affiliation, and address. Accepted papers will be published in the Technical Digest of the conference. For the layout of manuscript, please see the Guidelines on the ODF'08 Home Page.

## ● Paper Submission Deadline:

**Jan. 10, 2008**

The presentation schedule will be determined after the program committee has reviewed the papers. Author will be notified by the beginning of March 2008 whether their papers have been accepted. Notification will be sent to the author listed first by E-mail or a letter. Note that it will be the author's responsibility to obtain any necessary and appropriate clearances from his/her affiliation.

## ADDITIONAL INFORMATION

### ● Post-deadline Papers

Detailed information will be announced in the Advance Program and on the ODF'08 Home Page.

### ● Best Paper Award

The best paper among the contributed papers will be awarded through the examination by the program committee at the end of conference.

## ● ODF'08 Special Issue of OPTICAL REVIEW

The presented papers can be resubmitted and published in the ODF'08 special issue of the OPTICAL REVIEW, which is the journal of the Optical Society of Japan (OSJ). Application forms for the special issue will be distributed on site.

## REGISTRATION

### ● Registration Fee

The registration fee includes admission to technical sessions and one copy of Technical Digest.

Type	Before /on May. 6, 2008	After May. 6, 2008
Member [*]	TWD10,000	TWD12,000
General (Non-members)	TWD10,000	TWD13,000
Student	TWD2,000	TWD2,000
Additional copy of Technical Digest	TWD2,000	TWD2,000

[\*] Member of sponsor and cooperative society

TWD: Taiwan dollar

### ● Registration

Those who wish to attend ODF'08 Taipei should make online registration. The deadline for advanced registration is May 6, 2008. On-site Registration at Conference venue will also be accepted, but early registration is highly recommended. The Online Registration Page will be available at the ODF'08 Home Page.

### ● Accompanying persons

Participants can register accompanying persons. Accompanying persons are his/her family members.

### ● Cancellation Policy

There will be no refunds for the registration fee.

## CONFERENCE SITE

The Conference Venue, Taipei International Convention Center (TICC) is located in the foothills of eastern Taipei's Hsin-yi District besides many landmark buildings: the Taipei City Hall, Taipei City Council, National Dr. Sun Yat-Sen Memorial Hall, and Taipei 101.

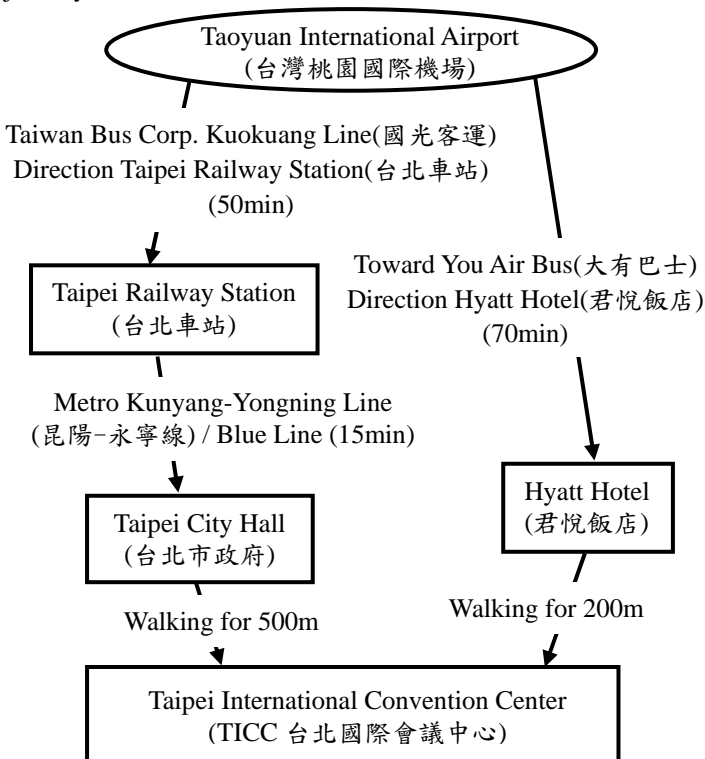
Address: Taipei International Convention Center, No.1, Sec. 5, Hsin-yi Rd., Hsin-yi District, Taipei City 110, Taiwan

From Taoyuan International Airport

(1) Board "Toward You Air Bus" to Hyatt Hotel. The journey time is around 70min. You can walk for 200m from Hyatt Hotel to reach the conference site.

(2) Board "Taiwan Bus Corp. Kuokuang Line" to Taipei Railway Station. The journey time is around 50min. Take the Metro Kunyang-Yongning Line (Blue Line) of the mass rapid transit (MRT) system in Taipei to "Taipei City Hall" station. The journey time is around 15min. From exit, then walking (around 500m) on Keelung Rd. directly, then join onto Hsin-yi Rd. and TICC Main Entrance.

(3) By taxi, it costs around TWD1,500 to travel from Taoyuan International Airport to the conference site. The journey time is around 70min.



# **HOTEL RESERVATION AND OPTIONAL TOUR**

## **● Hotel**

The Accommodation service for our attendees is combined with OPTO Taiwan 2008 exhibition. For more information, refer to the hotel information page of the ODF'08 Home Page. The website will re-direct to the accommodation service page of OPTO Taiwan 2008 exhibition.

## **● Optional Tour**

On June 12, after all the sessions are closed, an optional tour is arranged for the participants and accompanying persons at a reasonable price. In this tour, we arrange to visit Taipei's National Palace Museum. The Museum is located in the Waishuanghsi neighborhood of the Shihlin District. It ranks as one of the four best museums in the world, in a class with the Louvre, the British Museum and the Metropolitan Museum of Art. Those who would like to join the tour are required to make online registration. For more information, refer to advance program or the ODF'08 Home Page.



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