



國立臺灣大學光電工程學研究所
Graduate Institute of Photonics and Optoelectronics,
National Taiwan University

[Home](#) [Link](#) [Site map](#) [Location](#) [Contact us](#)

[Chinese](#) [English](#)



[About Us](#) [Faculty & Staff](#) [Research](#) [Graduate Programs](#) [News & Events](#) [Program of Photonics Technologies](#)

Distinguished Chair
Professor

Faculty

Researchers

Staff

[more](#)

2018/03/09

Spotlight-Powerful LED-
Based Train Headlight
Optimized for Energy
Savings

2018/03/01

Spotlight-SolarDrone (NTU),
Allowing Drones to Explore
Unexplored Frontiers
Launches at CES 2018

2017/02/22

Spotlight-Nobel Laureate
Lectures on Solid-State
Lighting

2015/11/13

Spotlight-Nature Photonics

2015/01/01

Spotlight-Cleaner Graphene
Offers Better Device
Performance



Faculty

Faculty & Staff

Graduate Institute of Photonics and Optoelectronics

Professor

Name

Education

Link



Sheng-Lung
Huang

Ph.D., Univ. of
Maryland,
U.S.A.

[Profile](#) | [Publication](#) | [Website](#) |
[Laboratory](#)

E-mail

shuang@ntu.edu.tw

Office

EE Building II, R341

Office hour

Tel

+886-2-33663692

Website

<http://laser.ee.ntu.edu.tw/>

Research
Topics

1. Growth of crystal fibers of laser and nonlinear media
2. Fiber optics and lasers
3. Dielectric thin-film coating

Biography

Dr. Huang received the B.S. degree from the Department of Electrical Engineering, National Taiwan University in 1986, and the M. S. and Ph. D. degrees from the Department of Electrical Engineering, University of Maryland, College Park in 1990 and 1993, respectively. He joined the Graduate Institute of Photonics and Optoelectronics (GIPO) and Department of Electrical Engineering, National Taiwan University in 2006. He served as the Chairman/Director of GIPO from August 2007 to July 2010. Prior to joining National Taiwan University, he served as Chairman/Director of the Institute of Electro-Optical Engineering, National Sun Yat-Sen University from April 2003 to Jan. 2006. His expertise is on fiber based photonics and tomography technologies. Dr. Huang is a senior member of the IEEE and a member of the Optical Society of America and the Photonics Society of Chinese-Americans. He served as the Chairman of IEEE Photonics Society Taipei Chapter, 2005-2006, and was a Topical Editor of Optics Letters from 2005-2011. He is presently a steering board member, European Master of Science in Photonics (EMSP). Dr. Huang was the recipient of Ministry of Education Outstanding University/Industry Cooperation Award, 1997. He has jointly awarded various competitions with his students on Chimei Innovation Excellence Award (2010) and Optical Communications Elite Award (2005).

Representative
Publications

1. N. C. Cheng, T. H. Hsieh, Y. T. Wang, C. C. Lai, C. K. Chang, M. Y. Lin, D. W. Huang, J. W. Tjiu, and S. L. Huang, "Cell death detection by quantitative three-dimensional single-cell tomography," *Biomedical Optics Express*, 3, No. 9, pp. 2111-2120, 2012
2. C. C. Lai, C. P. Ke, S. K. Liu, C. Y. Lo, D. Y. Jheng, S. C. Wang, S. R. Lin, P. S. Yeh, and S. L. Huang, "Intracavity and resonant Raman crystal fiber laser," *Applied Physics Letters*, 100, 261101., 2012
3. K. Y. Hsu, D. Y. Jheng, Y. H. Liao, T. S. Ho, C. C. Lai, and S. L. Huang, "Diode-laser-pumped glass-clad Ti:sapphire crystal fiber based broadband light source," *IEEE Photonics Technology Letters*, 24, No. 10, pp. 854-856, 2012
4. W. L. Wang, J. S. Wang, Y. C. Huang, L. W. Liu, S. L. Huang, and Wood-Hi Cheng, "Few-mode Cr-doped crystalline core fibers for fiber amplifier," *IEEE Photonics Technology Letters*, 24, No. 18, pp. 1628-1631, 2012
5. C. W. Huang, C. L. Chang, C. H. Kuan, S. L. Huang, and D. W. Huang, "Side-coupling scheme for a high-power laser diode array with grating couplers: Thermal and geometrical issues,"

IEEE/OSA Journal of Lightwave Technology, 30, No. 11, pp. 1743-1749, 2012

Attachment



[↑ Back](#)

[Home](#) | [Alumni Information](#) | [Industry-Academy Cooperation Information](#) | [News Letters](#) | [Photonics Processing Lab.](#) |
| [Location](#) | [Download Area](#) | [Photonics Experiment](#) |

Copyright© 2008 GIPO No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan, R.O.C. Tel : +886-2-33663587~89 Fax : +886-2-23677467