

Yueli Chen

| INSTITUTION AND LOCATION | DEGREE (if applicable) | YEAR(s) | FIELD OF STUDY |
|-----------------------------------|---------------------------|-----------|----------------|
| Fudan University, Shanghai, China | B.S. | 1992—1997 | Physics |
| Fudan University, Shanghai, China | M.S. | 1997—2000 | Physics |

Positions and Employment:

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| 09/1994—07/1997 | Chief member, Computer Assistant Instruction software for solid-state physics, CAI Center, Fudan University, China |
| 11/1996—02/1997 | Computer designer, Multimedia database Design, Fudan University Archives |
| 09/1997—07/2000 | Research Assistant, Semiconductor Lab, Physics dept., Fudan University <ul style="list-style-type: none"> • Construction of near infrared spectro-ellipsometer, new design of double-Fourier Transform with theory revise (patented) • Magneto-optical imaging study of magnetic domain using MOKE effect • Electronic structure and optical properties of noble metals • Spectroscopy study in the structure and phase transition of β-FeSi₂ • DWDM in Communication (863 China national funding) |
| 10/1999—07/2000 | Optical engineer, Bio-X project, Bio-instrumentation on DNA Chip detection by Laser-scanning Fluorescent Confocal Microscopy, OE-Tek Co. and Fudan University |
| 04/1997—10/1997 | Computer engineer, Supermarket System (POS), Kingstar Computer Co., Ltd., Shanghai, China |
| 09/2000—11/2000 | Consultant, “New Dimension Research Inc.”, VCSEL chip application, Boston, MA |
| 10/2000—07/2002 | Research Assistant, Luminescence Lab, rare earth laser material study, Boston College |
| 07/2002— | Research Assistant, Optical and Ultrasonic Imaging Lab, Optical Coherent Tomography in medical applications, ECE dept., University of Connecticut, Storrs, CT |

Honors:

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| • Challenge Cup of China University | Third prize |
| • Fudan Talents Champion | Third rank |
| • People’s Scholarship | 1993—1997 |

Publications:

- Yueli Chen, Haibin Zhao, Yingjun Zhang, Yuxiang Zheng. The optical approach of structural properties and phase transition of iron silicides., 12th National Semiconductor Physics Conference 2000
- Guo-Qiang Xia, Rong-Jun Zhang, Yue-li Chen, Hai-Bing Zhao, Liang-Yao Chen. New Design of variable angle Infrared spectroscopic ellipsometer using double Fourier transforms., *Rev. Sci. Instrum.*, Vol 71, No. 7, July, 2000
- Yueli Chen, Rongjun Zhang, Guoqiang Xia, Shimin Zhou, Liangyao Chen. Design and application of infrared spectro-ellipsometer using double-fourier-transform method., *Acta Optica Sinica*, Vol21, No.4, Apr, 2001
- Yueli Chen, Xuesheng Chen, B. Di Bartolo. Thermal Effect of Nd PL spectra in Garnet Hosts, conference on Spectroscopy of Systems with Spatially Confined Structures June, 2001
- Yan SK, Piao, DQ, Chen YL, Zhu Q, "A DSP-based real-time optical Doppler tomography system," *Journal of Biomedical Optics*. In press.