Appendix A

STAFF HANDBOOK

Content

Name	CAO Weili
Post	Associate Professor of Engineering Mathematics
Academic career	1985 Department of Mathematics, Liaoning Normal University 1997- Master in Science College of Science, USST Associate Professor
Employment	1985-1997 College of Science, USST Lecture 1997- College of Science, USST Associate Professor
Research and development projects over the last 5 years	The Key Course Program on Linear algebras in Shanghai. Period: 2008-2010. Partner: Shanghai education commission. Funding: 30,000 RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Linear Algebras. Hunan Science and Technology Press, 2010 ● Learning guidance of Linear Algebras. Hunan Science and Technology Press, 2010 ● Application of mathematical statistics. Machinery Industry Press, 2009
Activity in professional associations within the last five years	Member of Mathematical Association of Shanghai

Name	CHEN Jun
Post	Director/Senior Lecturer of College Physics
Academic career	1981-1986 East China Normal University Bachelor in Physics 1986-1989 East China Normal University Master in College Physics Education
Employment	1989-1992 USST Teaching assistant 2002-2005 USST Lecturer of College Physics 2005- USST Senior Lecturer of College Physics
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● First-principle study on the optical properties of Cr-doped anatase TiO2. Journal Of Synthetic Crystals, Vol.40, No.3, pp.258-262 (2011) ● Module Teaching of College Physics. College Physics course report Forum 2010, Higher Education Press, ISBN 978-7-89469-869-8 (2011) ● First-principles study on the electronic structure of S-doped anatase TiO2 crystal. Journal of University of Shanghai for Science and Technology, Vol.32, No.4, pp.340-344 (2010) ● First-principles study on the optical properties for CsI crystal with a pair of VCS1--V11. Chinese Optics Letters, Vol.8, No.1, pp.74-77 (2010) ● Optical polarized properties related to the oxygen vacancy in the CaMoO4 crystal. Journal of Luminescence, Vol.129, No.2, pp.101-104, (2009) ● College Physics Synchronous Tutorship Review and Self-testing. China Machine Press, ISBN 978-7-111-27987-7 (2009)
Activity in professional associations within the last five years	

Name	FAN Hongfu
Post	Associate Professor of Mathematics
Academic career	1982-1986 Zhejiang Normal University Bachelor in Mathematics 1986-1989 Tongji University Master in Basic Mathematics
Employment	1989-1992 USST Assistant 1992-2003 USST Lecture 2003- USST Associate Professor
Research and development projects over the last 5 years	● The Key Course Program on Function of Real Variable. Period: 2009-2010. Partner: College of Science, USST. Funding: 3,000 RMB ● The Key Course Program on Probability Theory & Mathematical Statistics (as participant). Period: 2008-2009. Partner: Shanghai Education Commission. Funding: 50,000 RMB (Government's project) ● The Key Course Program on Linear Algebra (as participant). Period: 2009-2010. Partner: Shanghai Education Commission. Funding: 50,000 RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Banach Algebra $H^{\infty}(D; X)$, Acta Analysis Functionalis Applicata. Vol.2, Issue 1, pp.39-42 (2000) ● Efforts to Improve the Quality of Teaching on Integral Transformation. College Mathematics, Vol.20, Issue 3, pp.112-115 (2004) ● Banach Algebra $L^{\infty}(T; X)$, Acta Analysis Functionalis Applicata. Vol.8, Issue 4, pp.304-307 (2006) ● The Examination Record Statistics and Analysis for the Course “Probability Theory & Mathematical Statistics” and Instructable Policy. College Mathematics, Vol.24, Issue 3, pp.160-164 (2008) ● Probability Theory & Mathematical Statistics, Ch3, Ch5. Science Press (2009) ● Learning Guide for Probability Theory & Mathematical Statistics, Ch3, Ch5. Science Press (2010) ● Discuss on Management about How to Divide Classes in Colleges and Universities. China Electric Power Education, Issue 4, pp.17-18 (2011) ● A kind of Mathematical Model of Poisson Distribution. College Mathematics, Vol.27, Issue 4, pp.150-151 (2011)
Activity in professional associations within	Member of Shanghai Mathematics Association

the last five years	

Name	GU Zhengtian
Post	Professor of College Physics
Academic career	1982-1986 Soochow University Bachelor in physics 1992-1995 Southeast University Master in Physical Electronics and Optoelectronics 1997-2000 Shanghai Institute of Optics and Fine Mechanics (SIOM), Chinese Academy of Sciences (CAS) PhD in Optics
Employment	1986-2000 Huaiyin Normal University Lecture and Associate Professor 2000- University of Shanghai for Science and Technology Professor of Physics
Research and development projects over the last 5 years	● Structure Optimization of Long Period Fiber Grating Based on SPR and Dual Peak Resonance. Period: 2008-2010. Partner: National Science Foundation of China (60777035). Funding: 250,000 RMB (Government's project) ● Novel high sensitivity sensor based on sol-gel derived fiber grating. Period: 2008-2011. Partner: Scientific Research Key Project of the Ministry of Education (208040). Funding: 120,000 RMB (Government's project) ● Compound coated fiber grating sensor for multiple environment parameter detection. Period: 2011-2013. Partner: Research Innovation Key Project of Education Committee of Shanghai (11ZZ131). Funding: 150,000 RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	● A manufacturing method of gas sensor coated with sol-gel films. Patent code: ZL 2005 1 0025498.8 (2008) ● A manufacturing method of coated fiber grating gas sensor based on dual peak resonance. Patent code: ZL 2007 1 0037525.2 (2010)
Important publications	● Dual peak resonance and transmission spectrum characteristics in a coated long-period fiber grating. J. Opt. A: Pure Appl. Opt. Vol.11,pp. 085701-085708(2009) ● Transmission spectra of coated phase shifted long-period fiber gratings. Optoelectron. Lett., Vol.5,Issue 4, pp. 0244-0247(2009) ● Optical humidity-sensitive mechanism based on refractive index variation. Chinese Optics Letters, Vol.7, Issue 9, pp. 756-759(2009) ● Design of a gas sensor based on a sensitive film coated phase-shifted long-period fiber grating. Journal of Optics, Vol.12, pp. 075401-075406(2010) ● A New Type of Absorbance Sensors Based on Long-Period Fiber Gratings. Chinese Physics Letters, Vol.28, Issue 5, pp.054207-1—054207-4(2011)

	● Characteristics of a long-period fiber grating with reduced cladding for refractive index sensing. Journal of Modern Optics, Vol.58, Issue 18, pp.1659–1665(2011) ● Parameters optimization of π-phase-shifted long-period fiber grating for gas sensing. Optoelectronics Letters, Vol.7, Issue 1, No.12, pp. 0023-0025(2011) ● Solution of complex characteristic equation of LPFG sensors coated with complex refractive index double-layer films. 978-1-4244-9439-2/11/$26.00 © IEEE, pp.7693-7696(2011)
Activity in professional associations within the last five years	Committee member of professional board for thin film technology, Shanghai Laser Society

Name	HU Jianhua
Post	Lecture of basic Mathematics
Academic career	1996-2006 Hunan Normal University Bachelor in Science 2000-2003 Tongji University Master in Science 2003-2006 Tongji University Doctor in Science
Employment	2006- University of Shanghai for Science and Technology Lecture
Research and development projects over the last 5 years	● Key Course Program on Advanced Algebras, USST. Period: 2010-2013. Partner: The Key Course Program (1K-00-341-004). Funding: 38,000 RMB (University 's project) ● Representation Theory of Infinite Rank Affine Lie Algebras. Period: 2006-2009. Partner: Shanghai education commission for the outstanding youth fund (563803). Funding:20,000RMB(Government's project) ● Homomorphisms between Chevalley groups over any finite fields. Period: 2006-2008. Partner: Shanghai education commission for scientific research project. Funding:50,000RMB(Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Topological degree for periodic solution of non-autonumous differential delay equations. Bull.Math. Soc.Sci. Math. Roumanie Tome , Vol.54, Issue 102, No.1, pp. 55-63 (2011) ● Variational Approaches for the Existence of Multiple Periodic Solutions of Differential Delay Equations. Abstract and Applied Analysis, pp.1-14(2010) ● Homomorphisms of two dimensional special linear groups over fields. Journal of University of Shanghai for Science and Technology, Vol.32,Issue 2, pp. 115-120 (2010) ● Homomorphisms between Chevalley groups of type A_1 over any finite fields. Vol.31, Issue 4, pp. 307-310(2009) ● Certain Classes of Automorphisms of Infinite Rank Affine Lie Algebras. Communications in Algebras, Vol.33, Issue 6,pp. 1893-1901(2005) ● The Conjugacy of Cartan Subalgebras in Infinite Rank Affine Lie Algebras. Chinese annals of Mathematics,Vol.26A, Issue 3,pp. 397-402(2005) ● On Automorphisms of Infinite Classical Root Systems. Chinese Journal of Contemporary Mathematics, Vol.22,No.3(2001)
Activity in professional associations within the last five years	

Name	JIA Gao
Post	Professor of Applies Mathematics
Academic career	1979-1983 Southeast University Bachelor in Applies Math 2000-2003 University of Shanghai for Science and Technology Ph.D in Applies Math
Employment	1995-2003 USST Associate Professor 2003- USST Professor
Research and development projects over the last 5 years	● Regularity of Energy Minimizers for Nonlinear Target. Period: 2008-2010. Partner: Innovation Program of Shanghai Municipal Education Commission (08YZ94). Funding: 80,000 RMB (Government's project) ● Multiplicity and Regularity of Quasilinear Sub-elliptic Equations on Heisenberg Groups. Period: 2008-2009. Partner: National Natural Science Foundation of China (11171220). Funding: 400,000 RMB(Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● On the Solvability for a Class of Quasilinear Resonance Elliptic Equations. J. Math. Anal. Appl., Vol.386, pp. 401-411(2012) ● Existence of solutions for a class of singular quasilinear elliptic resonance problems. Nonlinear Analysis, Vol.74, pp.3055-3064 (2011) ● Existence results in weighted Sobolev spaces for some singular quasilinear elliptic equations. Acta Appl Math, Vol.109, pp.599–607(2010) ● Some embedding theorems for $W^{1,p}(\Omega,\mathbf{H}^n)$. Appl. Math. J. Chinese Univ., Vol.25, pp.85-92(2010) ● On the Solvability of Superlinear and On the Solvability of Superlinear and Nonhomogeneous Quasilinear Equations. Boundary Value Problems, Vol.1, pp.1-10(2009) ● Reverse Poincare inequalities of the minimizers for the Heisenberg group target. Acta Mathematics Scientia, Vol.28, pp.823-830(2008) ● Euler equations and approximations for the minimingers of Heisenberg target. Nonlinear Analysis, Vol.67, pp.2690-2698(2007) ● Some new properties on $L^p(\Omega,\mathbf{H}^n)$. Appl. Math. J. Chinese Univ., Vol.22 , pp.174-180(2007) ● The upper bounds of arbitrary eigenvalues for uniformly elliptic operators with higher orders. Acta Math Applicatae Sinica, Vol.22, pp.5890-598(2006). ● Regularities and singularities of the energy minimizers of the

	Heisenberg groups targets, Acta Mathematics Scientia, Vol.23, pp.39-45(2003)
Activity in professional associations within the last five years	Member of Chinese Math Association

Name	LIU Ling
Post	Mathematics Lecturer of Advanced mathematics
Academic career	1994-1998 Yangzhou university Bachelor in Mathematics 1998-2001 Yangzhou university Master in Mathematics
Employment	2001-2003 University of Shanghai for Science and Technology Assistant 2004- University of Shanghai for Science and Technology Lecture
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	• Particular Solution With Integral Type For High Order Constant Coefficient Linear Difference Equation. Studies in College Mathematics, Vol.14,pp.73—74(2011)
Activity in professional associations within the last five years	

Name	LIU Xiping
Post	Professor
Academic career	1981-1985 Hebei normal University Bachelor in mathematics 2003-2006 Beijing institute of technology Master in Applied Mathematics
Employment	2000- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Innovation Program of Shanghai Municipal Education Commission(No. 10ZZ93)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Multiple solutions for fractional differential equations with nonlinear boundary conditions, Comput. Marh. Appl., Vol.59, pp.2880-2886(2010) ● Existence and Uniqueness of Solution for Fractional Differential Equations with Integral Boundary Conditions. Electron. J. Qual. Theory Differ. Equ., No.69, pp.1-10(2009) ● Positive Solutions for Singular Sturm-Liouville Boundary Value Problems with Integral Boundary Conditions. Electron. J. Qual. Theory Differ. Equ., No.77 ,pp.1-15(2010) ● Multiple solutions of nonlocal boundary value problems for fractional differential equations on the half-line. Electron. J. Qual. Theory Differ. Equ., No. 56 ,pp.1-14(2011) ● Multiplicity of positive solutions for four-point boundary value problems of impulsive differential equations with p-Laplacian. Electronic Journal of Differential Equations ,Vol.2010,No.52, pp.1–10(2010) ● Boundary Value Problems for Second-Order Functional Differential Equations on Infinite Intervals. Nonlinear Studies, Vol. 16, No.2, pp.171-186(2009) ● Positive solutions to a type of nonlinear three-point boundary value problem with sign changing nonlinearities. Computers and Mathematics with Applications, Vol.57, pp.348-355(2009) ● The Iteration Method of Solving a Type of Three-Point Boundary Value Problem. J. Appl. Math. & Informatics, Vol. 27, No. 3, pp. 475 – 487(2009)
Activity in professional associations within the last five years	

Name	MA Shanshan
Post	Lecturer of College Physics Experiments
Academic career	1997-2001 Tongji University Bachelor in Physics 2003-2006 Tongji University Master in Optics
Employment	2002-2009 University of Shanghai for Science and Technology Assistant 2009- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	
Activity in professional associations within the last five years	

Name	WEI Gongming
Post	Associate professor in mathematics
Academic career	1992-1996 Qufu Normal University Bachelor in mathematics 2004-2007 University of Science and Technology of China Ph.D in Mathematics
Employment	2001-2004 Qufu Normal University Lecturer 2006-2008 University of Shanghai for Science and Technology Lecturer 2008- University of Shanghai for Science and Technology Associate professor
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	
Activity in professional associations within the last five years	

Name	WU Baofeng
Post	Lecturer of Mathematics
Academic career	1996-2000 East China Normal University Bachelor in Mathematics 2000-2003 East China Normal University Master in Mathematics 2007-2010 Tongji University Ph.D in Mathematics
Employment	2003-2005 University of Shanghai for Science and Technology Assistant 2005- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● Relationship between the Spectra and the Transformations of Graphs. Period: 2012-2012. Partner: National Natural Science Foundation of China (11126095). Funding: 30,000RMB (Government's project) ● The Key Course Program on Probability Theory & Mathematical Statistics (as participant). Period: 2008/1----2009/12. Partner: Shanghai Education Commission. Funding: 50,000 RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● On the spectral radius of unicyclic graphs with fixed maximum degree. Ars Combinatoria, Vol. CII, pp.21-31(2011) ● Deleting vertices and interlacing Laplacian eigenvalues. Chin. Ann. Math., Series B, Vol.31, Issue 2, pp.231-236(2010) ● On the energy of trees with given domination number. Match Commun. Math. Comput. Chem., Vol.64, pp.169-180(2010) ● Some results on the Laplacian energy of a graph. J. East China Normal Univ.(Natural Science), Vol.1, pp.10-16(2010) ● The Harary index of a graph under perturbation. Discrete Mathematics, Algorithms and Applications, Vol. 2, No. 2, pp. 247–255(2010) ● Interlacing eigenvalues on some operations of graphs. Linear Algebra and its Application, Vol.430, pp.1140-1150(2009) ● Some sharp lower bounds for energy of graphs, J. East China Normal Univ.(Natural Science), Vol.4, Issue 38, pp.10-15(2009) ● Existence and Uniqueness of Solution for Fractional Differential Equations with Integral Boundary Conditions. Electronic Journal of Qualitative Theory of Differential Equations, Vol.69, pp.1-10(2009) ● Strong global convergence of an adaptive nonmonotone memory gradient method. Applied Mathematics and Computation, Vol.185, pp.681–688(2007) ● The spectral radius of trees on k pendant vertices. Linear Algebra and its Application, Vol.395, pp.343-349(2005) ● On the spectral radii of trees. J. East China Normal Univ.

	(Natural Science), Vol.3, pp.22-28(2004)
Activity in professional associations within the last five years	

Name	YU Zhixian
Post	Assistant Professor of Applies Mathematics
Academic career	2000-2004 Shangrao Normal University Bachelor 2004-2007 Beijing Normal University Master 2007-2010 Beijing Normal University Ph.D
Employment	2010- University of Shanghai for Science and Technology Assistant Professor
Research and development projects over the last 5 years	● Traveling wave solutions in non-monotone systems. Period: 2012-2014. Partner: Shanghai outstanding youth project (slg11031) Funding: 50,000RMB(Government's project) ● Traveling waves of non-monotone systems and some related problems. Period: 2012-2014.Partner: National Natural Science Foundation of China (11101282) Funding: 220,000RMB(Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Asymptotics and Uniqueness of Travelling Waves for Non-Monotone Delayed Systems on 2D Lattices. Can. Math. J.,doi:10.4153/CMB-2011-180-4(2011) ● Properties of traveling waves for integrodifference equations with nonmonotone growth functions. Z. Angew. Math. Phy., Vol.63, pp.249-259(2012) ● Uniqueness of critical traveling wave for delayed lattice equation. Proc. Amer. Math. Soc. , DOI: S0002-9939(2012)11225-0(2012) ● Traveling waves of a competitive Lotka-Volterra model with nonlocal diffusion and time delays. Acta Math. Appl. Sinica (in Chinese),Vol. 34, pp.1082-1093(2011) ● Traveling waves for nonlinear cellular neural networks with distributed delays. J. Differential Equations, Vol.251, pp.630-650(2011) ● Traveling wave solutions in temporally discrete reaction-diffusion systems with delays, Z. Angew. Math. Mech., Vol.91, pp.809-823(2011) ● Traveling waves of delayed reaction diffusion systems with applications. Nonlinear Analysis: RWA, Vol.12, pp.2475-2488(2011) ● Traveling wave solutions in nonlocal convolution diffusive competitive cooperative systems, IMA J. Appl. Math., Vol.76, pp.493-513(2011) ● Spreading speed and traveling waves for a nonmonotone reaction–diffusion model with distributed delay and nonlocal effect. Applied Mathematical Modelling, Vol.35, pp.2916-2929(2011)

	● Traveling waves for Lotka-Volterra competition system with diffusion. Math. Comp. Modelling, Vol.53, pp.1035-1043(2011) ● Traveling wave fronts in reaction-diffusion systems with spatio-temporal delay and applications, Discrete and Continuous Dynamical Systems - Series B, Vol.13, pp. 709-728(2010) ● Traveling wave solutions in nonlocal reaction-diffusion systems with delays and applications, ANZIAM Journal, Vol.51, pp.49-66(2009)
Activity in professional associations within the last five years	

Name	YUAN Sanling
Post	Professor of Mathematics
Academic career	1985-1989 Henan University Bachelor in Mathematics 1996-1999 Xi'an Jiaotong University Master in Applied Mathematics 1999-2002 Xi'an Jiaotong University Ph.D in Applied Mathematics 2002-2004 Shanghai Jiaotong University Post doctor
Employment	2004-2006 University of Shanghai for Science and Technology Lecturer 2006-2011 University of Shanghai for Science and Technology Associate Professor 2011- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Study on the reaction kinetic models of recombinant plasmid DNA cell culture. Period: 2009-2011. Partner: National Natural Science Foundation of China(Government's project) ● Asymptotical behaviors of the reaction kinetic models of recombinant plasmid DNA cell culture. Period: 2009-2011. Partner: Educational Committee Innovative Foundation of Shanghai(Government's project) ● Study on the nonlinear epidemical dynamical models. Period: 2005-2007. Partner: Educational Committee Natural Foundation of Shanghai(Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Dynamics of a plasmid chemostat model with periodic nutrient input and delayed nutrient recycling. Nonlinear Analysis: Real World Applications. Vol.13, pp.2104-2119(2012) ● Delay induced oscillations in a turbidostat with feedback control. Journal of Mathematical Chemistry, Vol.49, pp.1646-1666(2011) ● Analysis on an epidemic model with a ratio-dependent nonlinear incidence rate. International Journal of Biomathematic, Vol.4, pp.227-239(2011) ● Oscillations in a plasmid turbidostat model with delayed feedback control. Discrete Contin. Dynam. Systems-B, Vol.15, pp. 809-914 (2011) ● Bifurcation analysis of a model of plasmid-bearing, plasmid-free competition in a pulsed chemostat with an internal inhibitor. IMA Journal of Applied Mathematics, Vol.76,pp. 277–297 (2011) ● Stability and direction of Hopf bifurcations in a pair of identical tri-neuron network loops. Nonlinear Dynamics, Vol.61, pp.

	569-578 (2010) ● Stability and global Hopf bifurcation in a delayed predator–prey system. Nonlinear Analysis: Real World Applications, Vol.11, pp.959-977 (2010) ● LS method and qualitative analysis of traveling wave solutions of Fisher equation. Acta Physica Sinica, Vol.52, Issue 2, pp.744-749(2010) ● Competition between plasmid-bearing and plasmid-free organisms in a chemostat with pulsed input and washout. Mathematical Problems in Engneeing, Article ID 204632, 17 pages, doi:10.1155/2009/204632(2009) ● Global asymptotic behavior in chemostat-type competition models with delay. Nonlinear Analysis: Real World Applications, Vol.10, pp.1305-1320(2009) ● Stability and Hopf bifurcations in a delayed Leslie–Gower predator–prey system. Journal of Mathematical Analysis and Applications, Vol.355, pp.82-100(2009) ● Bifurcation and stability analysis for a delayed Leslie–Gower predator–prey system. IMA Journal of Applied Mathematics, Vol.74, pp.574-603(2009) ● Global dynamics of an epidemic model with a ratio-dependent nonlinear incidence rate. Discrete Dynamics in Nature and Society, Article ID 609306, 13 pages doi:10.1155/2009/609306 (2009) ● Competition between two microorganisms in the chemostat with general variable yields and general growth rates.International Journal of Biomathematics, Vol.1, Issue 4, pp.463-474(2008) ● Competition between plasmid-bearing and plasmid-free organisms in a chemostat with nutrient recycling and an inhibitor. Mathmatical Biosciences, Vol.202, pp.1-28(2006) ● Global Stability on an SIS Epidemic Model with Time Delays. Acta Mathematica Scientia, Vol.25A, Issue 3, pp.349-356(2005) ● Bifurcation analysis of a chemostat model with two distributed delays. Chaos, Solitons and Fractals, Vol.20, pp.995-1004(2004) ● Direction and stability of bifurcating periodic solutions of a chemostat model with two distributed delays. Chaos, Solitons and Fractals, Vol.21, pp.1109-1123(2004) ● Competition in the chemostat: convergence of a model with delayed response in growth. Chaos, Solitons and Fractals, Vol.17, pp.659-667(2003) ● Persistence and periodic solution on a non-autonomous SIS Model with delays. Acta Mathematicae Applicatae Sinica, Vol.19, pp.1-10 (2003) ● Analysis of an SIS epidemic model with variable population size and a delay. Appl. Math. J. Chinese Univ. Ser.B, Vol.18, pp.9-16(2003) ● Study on an SIS epidemic model with time variant delay. System Science and complexity, Vol.15, pp.299-306(2002)

	● Global stability and Hopf befurcation of an SIS epidemic model with time delays. System Science and complexity, Vol.14, pp.327-336(2001)
Activity in professional associations within the last five years	● Director of Chinese Society for Mathematical Biology ● Editor of Scientific Journal of Mathematics Research

Name	ZHOU Qun
Post	Deputy Director of College Physics Experiments
Academic career	1996-2000 Nanjing University of Aeronautics & Astronautics Bachelor in automation 2002-2009 Tongji University Master & Ph.D in control science and engineering
Employment	2000-2008 University of Shanghai for Science and Technology Assistant 2008- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Source of Attachment Forces of Ants and the Secretion Effect. Chinese Journal of Theoretical and Applied Mechanics, Vol. 39, Issue 3, pp.428-432(2007) ● Structure Design and Adhesion Analysis of Bionic Felxible Surface. Chinese Quarterly of Mechanics, Vol.28, Issue 3, pp.400-404(2007) ● Adhesion of mechanisms of insect legs. Entomological Knowledge, Vol.44, Issue 2, pp.297-301(2007) ● Testing of Wet Adhesive Forces of Ants and ANSYS Analysis. Journal of Tongji University(Natural Science),Vol.36, Issue 5,pp.670-673(2008) ● Analyse on friction and adhesive force of insects pad. Journal of University of Shanghai For Science and Technology, Vol.2, pp.143-146(2008) ● Theoretical Research and Application Status of Animal Adhesion Mechanism. Journal of Tongji University(Natural Science),Vol.35, Issue 6, pp.806-810(2007) ● Testing of Micro-forces on Vertical Climbing Crickets and Dynamics Research. Vol.32, Issue 2, pp.67-70(2010) ● Microstructure and Biomimtic research and property test of adhesive pads. Machine Design and Research, Vol.27, Issue 2, pp.19-21(2011)
Activity in professional associations within the last five years	

Name	ZHANG Haiqiang
Post	Lecturer
Academic career	2001-2005 Shanxi normal University Bachelor in Information and Computer science 2005-2010 Beijing University of Posts and Telecommunications Ph.D in Software and Theory of Computer
Employment	2010- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Integrability of an N-coupled nonlinear Schrödinger system for polarized optical waves in an isotropic medium via symbolic computation. Physical Review E, Vol.77(2008) ● Soliton interaction in the coupled mixed derivative nonlinear Schrödinger equations. Physics Letters A, Vol.373, pp.4315-4321(2009) ● Soliton resonance of the (2+1)-dimensional Boussinesq equation for gravity water waves. Nonlinear Analysis: Real World Applications, Vol.9, pp.920－926(2008) ● Lax pair and Darboux transformation for multi-component modified Korteweg-de Vries equations. Journal of Physical A: Mathematical Theoretical, Vol.41(2008) ● Darboux transformation and soliton solutions for the (2+1)-dimensional nonlinear Schrödinger hierarchy with symbolic computation. Physica A: Statistical Mechanics and its Applications, Vol.388, pp.9-20(2009) ● Soliton dynamics and elastic collisions in a spin chain with an external time-dependent magnetic field. Physica A: Statistical Mechanics and its Applications, Vol.389, pp.367-374(2010) ● Conservation laws, soliton solutions and modulational instability for the higher-order dispersive nonlinear Schrödinger equation. The European Physical Journal B, Vol.72, pp.233-239(2009) ● Ultrashort soliton pulses in the modified nonlinear Schrödinger equation with distributed coefficients in inhomogeneous fibers. The European Physical Journal D, Vol.59, pp.443-449(2010) ● Interactions of bright solitons for the (2+1)-dimensional coupled nonlinear Schrödinger equations from optical fibres with symbolic computation. Physica Scripta, Vol.75, pp.537－542(2007) ● Optical soliton solutions for two coupled nonlinear

	Schrödinger systems via Darboux transformation. Physica Scripta, Vol.76, pp.452－460(2007) ● Darboux transformation and symbolic computation on multi-Soliton and periodic solutions for multi-component nonlinear Schrödinger equations in an isotropic medium. Zeitschrift für Naturforschung A: Physical Sciences, Vol.64, pp.300-308(2009) ● Symbolic-computation study of integrable properties for the (2+1)-dimensional Gardner equation with the two-singular-manifold method. The IMA Journal of Applied Mathematics, Vol.74, pp.46-62(2009) ● Soliton and breather solutions of the modified nonlinear Schrödinger equation. Physica Scripta,Vol.85(2012) ● Dark and antidark soliton solutions in the modified nonlinear Schrödinger equation with distributed coefficients in inhomogeneous fibers. Physica Scripta, Vol.85(2012)
Activity in professional associations within the last five years	● Member of Shanghai Nonlinear Science and System ● Member of Nonlinear Wave ● Member of Soliton and Integrable System

Name	ZHANG Tiansi
Post	Mathematics Lecturer of Advanced mathematics
Academic career	1997-2001 Anhui Normal University Bachelor in Mathematics 2001-2004 East China Normal University Master in Mathematics 2004-2007 Ecole Normale Superieure de Lyon &East China Normal University Ph.D in Mathematics
Employment	2007- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● The bifurcation study of some homoclinic orbit with several flips. Period: 2012. Partner: National Science Foundation of China (11126097).Funding: 30,000RMB ● The bifurcation study of singular orbit with high codimension. Period: 2010-2012. Partner: The Scientific Research Foundation for the Returned Overseas Chinese Scholars. Funding: 30,000RMB(State Education Ministry) ● Problems of flips homoclinic orbit with high codimension. Period: 2007-2009. Partner: Foundation for Yong Teacher of Shanghai. Funding:30,000RMB
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● The model of two-species cooperation under the influence of noise. Vol.217, pp.110-111(2012) ● Heterodimensional cycle bifurcation with orbit-flip. International Journal of Bifurcation and Chaos, Vol.20, No.2, pp.491-508(2010)
Activity in professional associations within the last five years	

Name	CHEN Baoxue
Post	Professor of Optic-electrical Engineering
Academic career	1978-1982 Shanghai Institute of Mechanical Engineering Bachelor in Optical Instruments 1991-1994 Tokyo University of Agriculture and Technology Ph.D in Electronic and Information Engineering
Employment	1982-1989 Shanghai Institute of Mechanical Engineering Lecturer 1989-1991 HOSEI University Invited researcher 1994-1995 CASIO Co., Ltd Engineer 1995-1999 NHK Co., Ltd Researcher 1999- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Research on pulse coupled effect and synaptic coding of waveguide neurons with all-optical control. Period: 2011-2013. Partner: National Science Foundation of China (61077042). Funding: 290,000 RMB (Government's project) ● Optical stopping effect of impurity-doping As2S8 glass waveguide. Period: 2007-2008. Partner: Fund of Ministry of Education of China(20060252005). Funding: 30,000 RMB (Government's project) ● Research on synapse effect of all-optically controlled As2S8 amorphous semiconductor waveguide on LiNbO3 substrate. Period: 2007-2009. Partner: National Science Foundation of China (60677032). Funding: 310,000 RMB (Government's project)
Industry collaborations over the last 5 years	● γ-irradiation damage of quartz fiber and its impact on near-infrared transmission characteristics. Period: 2008-2009. Partner: Shanghai Aerospace Control Engineering Institute. Funding: 98,000 RMB ● High-density optical interconnect exploiting build-up flexible waveguide-on-SLC board. Period: 2007-2009. Partner: Nitta (Shanghai) Optoelectronic Technology Co., Ltd. Funding: 157,000 RMB
Patents and proprietary rights	● Optical waveguide coupler circuit device. Patent code: HK 1054590 (2007) ● Optical waveguide coupler circuit device. Patent code: 3923383 (2007) ● Optical waveguide coupler circuit device. Patent code: 10-0695602 (2007) ● Fiber—waveguide automatic alignment system based on genetic algorithm. Patent code: ZL2004 1 0018175.1 (2008) ● Active recirculating optical pulse replicator. Patent code: ZL 2007 1 0047332.5 (2010) ● Fabrication of As2S8 stripe waveguide and its optical stopping effect. Patent code: ZL2008 1 0037430.5 (2009)

	● Automatic passenger flow counting system using fiber array membrane sensor. Patent code: ZL 2008 1 0200234.5 (2011) ● Fabrication of Sn1As20S79 stripe waveguide. Patent code: ZL2008 1 0202529.6 (2010)
Important publications	● Research for measuring the multi-mode cut- off wavelength of LiNbO3 waveguide modulator fabricated by proton exchange, Acta Optica Sinica, Vol.31, No.11, pp.1113001-1-1113001-5(2011) ● Study on ion-exchange single-mode stripe waveguide which can cause excitation of the surface plasma wave, Optics and Precision Engineering, Vol.19, No.10, pp.2342-2348(2011) ● Mechanism of recovery process of optical stopping effect in As2S8 waveguide, Opto-Electronic Engineering, Vol.38, No.7, pp.13-16(2011) ● Study on mechanism of optical stopping effect of arsenic sulfide amorphous waveguide, Acta Physica Sinica, Vol.60, No.7, pp.074224-1-074224-7(2011) ● Effect of information transmission on inputs/outputs of networked sampling control system, Control Theory and Applications, Vol.28, No.6, pp.819-826(2011) ● Dynamic model on AFS headlamp swiveling angle, China Mechanical Engineering, Vol.22, No.7, pp.864-868(2011) ● As2S8 planar waveguide: refractive index changes following an annealing and irradiation and annealing cycle, and light propagation features, Journal of Semiconductors, Vol.32, No.11, pp.112004-1-112004-6(2011) ● Kinetic modeling for photoinitiated block copolymerization of benzyl methacrylate with poly(methylphenylsilane), Journal of Chemical Engineering of Japan, Vol.44, No.10, pp.821-827(2011) ● A novel photobleachable polysilane copolymer for optical waveguide fabrication, Polym. Adv. Technol., Vol.22, pp.1056-1059(2011) ● Comparative study of photobleachable polysilane copolymers applied to optical waveguides, Optical Materials, Vol.33, No.3, pp.452-459(2011) ● Modeling and optimizing the pulse replicator based on the active recirculating optical loop, Optics & Laser Technology, Vol.43, No.7, pp.1111-1115(2011) ● Study on a surface plasmon resonance sensor based on differential intensity detection, Opto-Electronic Engineering, Vol.37, No.12, pp.50-54(2010) ● The numerical processing of mono-pulse velocity measurement system based on genetic algorithm, Computer Engineering and Applications, Vol.46, No.29, pp.242-244(2010) ● The sensing structure optimization of planer optical waveguide with fermi refractive index, J. Lightwave Technol., Vol.28, No.23, pp.3439-3443(2010) ● Study on poly (methylphenylsilane)-poly (benzyl methacrylate) copoly-mer waveguide fabricated by photobleaching, Acta

	Optica Sinica, Vol.30, No.6, pp.1613-1617(2010) ● γ-irradiation damage of Quartz fiber and its impact on near-infrared transmission characteristics, Acta Physica Sinica, Vol.59, No.11, pp.7782-7787(2010) ● New method of beam leveling for adaptive front-lighting system under braking, Automotive Engineering, Vol.32, No.10, pp.914-918(2010) ● An optical buffer unit design based on active optical fiber loop, Opto-Electronic Engineering, Vol.37, No.2, pp.137-140(2010) ● Design and simulation of microfluidic chips based on multimode interference waveguide for measuring refractive index of liquid, China Laser, Vol.36, No.5, pp.1180-1183(2009) ● A new mechanic of GA based on intelligent crossover, Computer Engineering and Applications, Vol.45, No.32, pp.35-37(2009) ● Fabrication and propagation characterization of As2S8 chalcogenide channel waveguide made by UV irradiation annealing, Appl. Opt., Vol.48, No.33, pp.6442-6447(2009) ● Photoinduced refractive index changes effect of amorphous Sn-doping As2S8 films and its application in the stripe waveguide fabrication, Acta Physica Sinica, Vol.58, No.5, pp.3238-3242(2009) ● Research of automatic passenger flow counting system using fiber array membrane sensor, Acta Photonica Sinica, Vol.38, No.9, pp.2305-2309(2009) ● Photo-induced refractive index change of amorphous tin-doped As2S8 films and its application to strip waveguide fabrication, J. Appl. Phys., Vol.105, No.9, pp.094501-1-094501-4(2009) ● Waveguide -optical fiber automatic coupling system using multi-objective evolutionary algorithm, Journal of Scientific Instrument, Vol.29, No.6, pp.1209-1215(2008) ● Study on clad absorption spectrum characteristics and solution concentration sensing using Fermi reflective index waveguides, Acta Optica Sinica, Vol.28, No.7, pp.1333-1337(2008) ● Optical stopping effect of impurity-doping As2S8 glass waveguide, Acta Physica Sinica, Vol.57, No.6, pp.3593-3599(2008) ● Photo-and thermally induced changes in the refractive index and film thickness of amorphous As2S8 film, J. Appl. Phys., Vol.103, No.12, pp.123523-1-123523-5(2008) ● Automatic optic waveguide chip packaging system based on center-integration algorithm, Optics Communications, Vol.281, No.6, pp.1515-1521(2008) ● Study on photoinduced structural changes effect of amorphous semiconductor As2S8 film, Acta Photonica Sinica, Vol.37, No.5, pp.1001-1005(2008) ● Fabrication of an amorphous As2S8 stripe waveguide and its optical stopping effect, J. Phys. D: Appl. Phys., Vol.41, No.9, pp.95108-1-95108-5(2008)

	● Output characteristics of active recirculating optical pulse replicator, Acta Photonica Sinica, Vol.37, No.2, pp.269-274(2008) ● The study of multi-objective evolutionary algorithm applied to waveguide array - fiber array automatic alignment system, Acta Photonica Sinica, Vol.37, No.3, pp.460-465(2008)
Activity in professional associations within the last five years	● Member of Chinese Optics Society ● Member of China Instrument and Control Society

Name	CHEN Jiabi
Post	Professor of Optic-electrical Engineering
Academic career	1962-1968 Tsinghua University Bachelor in physics education 1981-1982 Carnegie-Mellon University Visiting Scholar 1982-1984 State University of New York at Stony Brook Visiting Scholar
Employment	1968-1975 Changchun 4-th Factory of Optical Instruments Assistant engineer 1975-1980 Huazhong University of Science and technology Assistant Professor 1980-1986 Huazhong University of Science and technology Lecturer 1986-1991 Huazhong University of Science and technology Associated Professor 1991-1997 Nanjing normal University Professor 1997- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Experiment and physical mechanism study of the inverse Doppler Effect with negative index material at optical frequencies. Period: 2012-2015. Partner: National Science Foundation of China (61177043). Funding: 730,000RMB (Government's project) ● Study on the principle and design method of optical zoom system without mechanical movements. Period:2008-2010. Partner: National Science Foundation of China (60778031). Funding: 350,000RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	● A design method of zoom lens without mechanical movement using Guassian opics. Patent code: Z.L.2006100306347 (2012) ● A optical design method of zoom lens without mechanical movement for finite object. Patent code: Z.L.200610118878.0 (2008)
Important publications	● Observation of the inverse Doppler effect in negative-index materials at optical frequencies. Nature Photonic (http://www.nature.com/nphoton/), Vol.5, No.4(2011) ● Experiments of negative-index refraction in optical frequency region. Key Engineering Materials, Vol.437, No.6, pp.575-579 (2010) ● Experimental Verification of Doppler Effect with the Refraction Method" Journal of Measurement Science and Instrumentation, Vol.1, No.1, pp.58-60(2010) ● Ray-tracing technique and imaging properties by a PC slab with neff=-1. SPIE.Vol.7158,(2009) ● Electrowetting-actuated zoom lens with spherical-interface

	liquid lenses. JOSA(A), Vol.25, Issue 11,pp.2644-2650(2008) ● Extension ratio of depth of field by wavefrontcoding method. OPTICS EXPRESS, Vol. 16, No. 17, pp.13364-13371(2008) ● Statistical analysis of scatter plate interferometer. Journal of the Optical Society of America (A) (2007) ● Analysis of eccentric photorefraction by Fourier optics. Chinese Optics Letters, Vol.5, No.4(2007) Optical information technique——Principles & Applications(Second Edition), Beijing：Higher Education Press(2009) ● Principles and Applications of Laser(Second Edition),Beijing: Publishing house of electronics industry(2008)
Activity in professional associations within the last five years	● Member of SPIE (The international society for optics and photonics) ● Member of OSA (Optical Society of America) ● Member of Chinese Optics Association ● Vice chairman of Optical information science teaching steering committee of Ministry of Education of the People's Republic of China

Name	CHEN Kejian
Post	Lecturer
Academic career	2001-2004 Zhejiang University Bachelor in Information Technology 2004-2007 Zhejiang University Master degree in Electronics Science and Technology 2009-2011 The Chinese University of Hong Kong PhD. degree in Electronics Engineering
Employment	2004 The Chinese University of Hong Kong RA 2009-2010 Shougang Concord Technology Holdings Limited Engineer 2010-2011 The Chinese University of Hong Kong RA 2011- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● The Fabrication and Characterization of Terahertz Wave Photoconductive Dipole Antennas on Oxygen Ion Implanted GaAs ● The research on the frequency selective surface resonator in terahertz range. ● CIMES (Computer Integrated Manufacturing Execution System) maintaining and optimization
Industry collaborations over the last 5 years	● Shougang Concord Technology Holdings Limited, Hong Kong. Period:2009-2010.
Patents and proprietary rights	
Important publications	● Comparison of continuous-wave terahertz wave generation and bias-field- dependent saturation in GaAs:O and LT-GaAs antennas. Optics Letters, Vol. 34, pp.935-937(2009) ● GaAs:O Materials for Terahertz Generation. The 4th International Symposium on Ultrafast Phenomena & Terahertz Waves, Mar.29-31(2008) ● CW Sub-Terahertz wave generation by GaAs:O Materials. paper FH1-5, presented at CLEO/Pacific Rim 2007, Seoul, Korea, August 26- 31(2007) ● THz waves generated by oxygen implanted GaAs. paper 1C5-5, presented at ISAP2007, Niigata, Japan, August 20-24(2007) ● Generation of Continuous THz Wave by a Compact Dual-frequency Semiconductor Laser at Room Temperature, the 20th Annual Meeting of the IEEE Lasers and Electro-Optics Society (LEOS 2007), Lake Buena Vista, Florida, USA, October 21-25(2007)
Activity in professional associations within the last five years	Member of OSA (Optical Society of America)

Name	CHEN Qing
Post	Associate Professor of Electrical Engineering
Academic career	1980-1984 Wuhan University Bachelor in Electrical Engineering 1986-1989 Wuhan University Master degree in Electrical Engineering 1996-2000 Wuhan University Ph.D degree in Electrical Engineering 2001-2002 Ecole Nationale Superieure des Telecommunications Post-doctoral
Employment	1984-1990 Wuhan Communication College Instructor 1990-1996 Wuhan Conservatory of Music Lecturer 2002-2003 Electrical & Computer Engineering, State Univ. of New York (SUNY Binghamton) Research Scientist 2003-2005 Medical Center, Indiana University, USA Research Scientist 2006- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● Image Watermarking compatible with JPEG2000. Period: 2009-2012. Partner: Scientific Research Starting Foundation for Returned Overseas Chinese Scholars. Funding: 20,000RMB(Government's Project) ● Optical Security Key Laboratory. Period: 2010-2011. Partner: Shanghai Municipal Education Commission: 085 Engineering Construction Project. Funding: 1,000,000RMB(Government's project) ● Optical Security Key Laboratory. Period: 2011-2014. Partner: Major scientific and technological project. Funding: 1,000,000RMB(Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● A Digital Watermarking Algorithm Based on Characters of the Remote-sensing Imagery. The International Conference on Management and Service Science, MASS 2010, Aug.24-26(2010) ● Analysis of music representations of vocal performance based on spectrogram. The International Conference on Wireless Communications, Networking and Mobile Computing, WiCOM 2010, Sept.23-25(2010) ● Word text watermarking for IP protection and tamper localization. 2011 2nd International Conference on Artificial Intelligence, Management Science and Electronic Commerce, AIMSEC 2011, Aug. 8-10(2011)

	● Reliable Information Embedding for Image/Video in the Presence of Lossy Compression. Signal Processing: Image Communication (Elsevier), Jan. 27, pp.66-74(2012)
Activity in professional associations within the last five years	

Name	DONG Xiangmei
Post	Lecturer of Optic-electrical Engineering
Academic career	1996-2000 Henan Polytechnic University Bachelor in physics education 2003-2005 University of Shanghai for Science and Technology Master in Optical Engineering 2009-2012 University of Shanghai for Science and Technology Ph.D Candidate in Optical Engineering
Employment	2000-2005 Dongfeng Automobile Company Assistant Engineer 2005-2008 University of Shanghai for Science and Technology Assistant Lecturer 2008- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● Experimental Study on Reading out of Information Storged in Waveguide Multilayer Optical Cards. Period: 2005-2008. Partner: Education Commission of Shanghai, The special foundation to select and cultivate outstanding young teachers. Funding: 30,000RMB(Government's Project)
Industry collaborations over the last 5 years	● Design of Multifunctional Boiler in Cold State. Partner: Shanghai Longyuan Power Technology Ltd.
Patents and proprietary rights	● Reading out of Information Storged in Waveguide Multilayer Optical Cards. Patent code: Z.L. 200610025028.6(2006) ● A device and method to produce the column vector beam. Patent code: Z.L.201010138764.9(2010) ● Electric Inform Device for Baby Care. Patent code: Z.L.200820054612.9(2008) ● Wear resistant elbows With wear-proof cover. Patent code: Z.L.200920066790(2009)
Important publications	● Generation of radially polarized beams using spatial light modulator, Optik, Vol.123, pp.391-394(2012) ● Hyperbolic-cosine-Gaussian beam with sine-azimuthal variation wavefront,Optik In Press,Corrected Proof. ● Radially polarized hollow Gaussian beam with on-axis spiral optical vortex,Optik. In Press,Corrected Proof. ● Multifocus with small size, uniform intensity, and nearly circular symmetry Optics Letters, Vol. 36, Issue 12,pp.2200-2202(2011) ● Control of the multifocal properties of composite vector beams in tightly focusing systems. Optics Express, Vol. 19, Issue 24, pp.24067-24077 (2011) ● Propagation of an arbitrary incident light in a uniaxially planar slab. Optics Communications, Vol.284, pp.5509-5512(2011)
Activity in professional associations within the last five years	

Name	FANG Baoying
Post	Lecturer of Optic-electrical Engineering
Academic career	1998-2002 Northeast Forestry University Bachelor in physics education 2006-2009 University of Shanghai for Science and Technology Master in Optical Engineering 2011- University of Shanghai for Science and Technology Ph.D Candidate in Optical Engineering
Employment	2002-2006 Northeast Petroleum University Assistant 2009- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● Study of Back scattering micro spectrum to early carcinoma of stomach. Period: 2011-2012. Partner: Education Commission of Shanghai, The special foundation to select and cultivate outstanding young teachers. Funding: 30,000RMB(Government's Project)
Industry collaborations over the last 5 years	● Design of Multifunctional Boiler in Cold State. Partner: Shanghai Longyuan Power Technology Ltd.
Patents and proprietary rights	● Optical fiber confocal microspectrum and imaging apparatus of cell analysis. Patent code: Z.L.200810035698.5(2011) ● Portable in vivo flow cytometry. Patent code: Z.L.200810038044.8(2008) ● Pulmonary artery blood oxygen saturation monitoring device based on optical fiber sensor. Patent code: Z.L.200910048984.X(2009) ● Method and device for realizing columnar vector beam by optical differential. Patent code: Z.L.200910045680.8(2009)
Important publications	● Analysis of Microscope Spectrum to Cancerous Tissue. ACTA PHOTONICA SINICA, Vol. 38,No.7, pp.1816-1819 (2009) ● Application of Edge detect Technology in the Wafer Detecting System, Computer & Digital Engineering, Vol. 38, No. 6,pp.132-134 (2010) ● Study of theory and measurement to the elastic light scattering of cells, OPTICAL INSTRUMENTS, Vol.30, No.4 (2008) ● Fiber Confocal Back-Scattering Micro-Spectrum in Single Biology Cellular Scale, CHINESE JOURNAL OF LASERS, Vol. 36, No.10,pp.2636-2641 (2009)
Activity in professional associations within the last five years	

Name	GENG Tao
Post	Associate Professor of Optic-electrical Engineering
Academic career	1996-2000 Nanjing normal University Bachelor in physics education 2000-2003 Nanjing normal university Master in Physical Electronics 2006-2010 University of Shanghai for Science and Technology Ph.D in Optical Engineering
Employment	2003-2005 University of Shanghai for Science and Technology Assistant 2006-2011 University of Shanghai for Science and Technology Lecturer 2011- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● Study of the tunable negative refraction properties based on the manganese-based perovskite oxides. Period: 2011-2013. Partner: National Science Foundation of China (61008044). Funding: 200,000RMB (Government's project) ● The novel negative refraction in manganites. Period: 2010-2012. Partner: the Innovation Program of Shanghai Municipal Education Commission (10YZ97). Funding: 80,000 RMB (Government's project) ● Study of the negative refractive index materials at ferromagnetic resonance. Period: 2009-2012. Partner: the Basic Research Program of Shanghai (09ZR1422300).Funding: 100,000RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Observation of the inverse Doppler effect in negative-index materials at optical frequencies. Nature Photonics, Vol.5,pp. 239-245(2011) ● Correlations between structural effects and eg bandwidth in manganites. Phys. Lett. A, Vol.374,pp.1784-1789(2010) ● Effective Coulomb interaction in LaMnO3. Physica B, Vol.405, pp.3714-3716(2010) ● Density functional calculation of effective Coulomb interaction in La1-xCaxMnO3. Phys. Lett A,Vol.372, pp.533-536(2008) ● All angle negative refraction with the effective phase index of −1. Chinese Optics Letters, Vol.5,pp.361-363(2007) ● Electronic structure of the perovskite oxides La1-xSrxMnO3. Physics Letters A,Vol.351, pp.314-318(2006)
Activity in professional associations within the last five years	

Name	GUO Hanming
Post	Associate Professor of Optic-electrical Engineering
Academic career	1996-2000 Huazhong University of Science and Technology Bachelor in Electric Technology 2001-2003 University of Shanghai for Science and Technology Master in Optical Engineering 2003-2007 University of Shanghai for Science and Technology Ph.D in Optical Engineering
Employment	2007-2008 University of Shanghai for Science and Technology Lecturer 2009- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● Research on the method and key technology for far-field optical microscopy with nanoscale resolution using polarization diversity and multi-focus imaging. Period: 2012-2015. Partner: National Science Foundation of China (61178079). Funding: 600,000RMB (Government's project) ● Study of the imaging principle of birefringence and polarization in immersion lithography. Period: 2009-2011. Partner: National Science Foundation of China (60807007). Funding: 200,000RMB (Government's project) ● Study of the far field imaging mechanism of microscopy with nanoscale resolution basing on the vector properties of light. Period: 2010-2014. Partner: A Foundation for the Author of National Excellent Doctoral Dissertation of PR China (201033). Funding: 740,000RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	● A generating method of cylindrical vector beam utilizing computing holography. Patent code: Z.L.200910045681.2(2012) ● A generating method and device of cylindrical vector beam utilizing optical difference. Patent code: Z.L.200910045680.8(2008)
Important publications	● Control of the multifocal properties of composite vector beams in tightly focusing systems. Opt. Express, Vol.19, Issue 24, pp.24067-24077 (2011) ● Propagation of an arbitrary incident light in a uniaxially planar slab. Opt. Commun., Vol.284, Issue 24, pp.5509–5512 (2011) ● Multifocus with small size, uniform intensity, and nearly circular symmetry. Opt. Lett., Vol.36, Issue 12, pp. 2200-2202 (2011) ● Analysis of imaging properties of a microlens based on the method for a dyadic Green's function. Appl. Opt., Vol.48, Issue 2, pp.321-327 (2009) ● Multilayered optical memory with bits stored as refractive index change. II. Numerical results of a waveguide multilayered

	optical memory. J. Opt. Soc. Am. A, Vol.25, Issue 7, pp.1799-1809 (2008) ● Multilayered optical memory with bits stored as refractive index change. III. Numerical results of a conventional multilayered optical memory. J. Opt. Soc. Am. A , Vol.25, Issue 7, pp.1810-1819 (2008) ● Full and rigorous vector diffraction model for a multilayered optical disc. Opt. Express, Vol.16, Issue 4, pp.2797-2803 (2008) ● Multilayered optical memory with bits stored as refractive index change. I. Electromagnetic theory. J. Opt. Soc. Am. A, Vol.24, Issue 6, pp.1776-1785 (2007)
Activity in professional associations within the last five years	● Member of OSA (Optical Society of America) ● Member of Chinese Optics Association

Name	HOU Wenmei
Post	Professor of Optics
Academic career	1978-1982 Xian University for Science and Technology Bachelor in Precision-optics 1982-1984 Xian University for Science and Technology Master in Precision and Technology optics 1984-1987 Mechanical Science Academy, Beijing Ph.D
Employment	1970-1978 Company for measuring instruments in Lanzhou Technical staff 1987-1989 University of Mechanical Engineering, Beijing Lecturer in optoelectronic technology 1989-1990 Physikalisch-Technische Bundesanstalt (PTB) Research grant from the Alexander von Humboldt Foundation for research 1990-1993 Swiss Federal Office of Metrology, Bern Guest researcher in the Dept. of measurement for length and optics 1994---1997 Physikalisch-Technische Bundesanstalt (PTB) Guest researcher in nano-and micro-meteorology Scientific 1998---2003 Physik Instrumente (PI) GmbH & Co.KG,Karlsruhe Assistant 2003- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Research on nonlinearity of heterodyne interferometer. Period: 2007-2010.Partner: National Science Fund China (50675141). Funding: 300,000 RMB(Government's project) ● Study of metrological large range scanning microscopy for fast, high accurate and traceable nano and micro dimensional metrology. Period: 2008-2011. Partner: Physikalisch-Technische Bundesanstalt (PTB). Funding: Sino-German Science Center (GZ404(303/2))RMB 880.000 RMB
Industry collaborations over the last 5 years	● Construction of measuring instruments, development of measuring instruments. Partner: Pu Ai Ltd.
Patents and proprietary rights	● A special laser detector technology. Patent code: EP0514579, B1(1992) ● Adapted from HP Refractometer. Patent code: 86107252.9 (1988)
Important publications	● Subdivision of Nonlinearity in Heterodyne Interferometers. 5.International Workshop on Automatic Processing of Fringe Patterns, Stuttgart, Germany, pp.326-333(2005) ● Optical Parts and the Nonlinearity in Heterodyne Interferometers. Prec.Eng. (USA), Vol. 30/3,pp.337-346(2006) ● A 4-channel quadrature detector system in homodyne interferometer, Acta Metrologica Sinica, Vol. 27,No.4, pp.313-316(2006) ● Subdivision and Elimination of Nonlinearity in Heterodyne

	Interferometers,Acta Metrologica Sinica, Vol. 28,No.3, pp.210-215(2007) ● Digital Micromirror Device Based Modulator for Microscope Illumination, Chinese Journal of Scientific Instrument, Vol. 28, No.4,pp.349-352(2007)
Activity in professional associations within the last five years	● Board Member of Journal of Physics D: Applied Physics (GB) ● Board Member of Company geometry f. Metrology (China)

Name	HUANG Xiaoyu
Post	Lecturer of computer science
Academic career	1994-1998 Hangzhou Institute of Commerce Bachelor in Computer Science and Technology 2001-2004 Hangzhou Institute of Commerce Master in Management of Information 2006-2007 Louisiana Tech. University, USA Visitor Scholar 2010- DONGHUA University Ph.D student in management science
Employment	1998-2001 Hangzhou TongPu Ltd. Network manager 2004-2005 University of Shanghai for Science and Technology Assistant professor 2005- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● Collaborative learning platform Development. Period: 2006-2008. Partner: Shanghai City Youth Fund Project. Funding: 30,000 RMB ● C Programming, Shanghai Key Course Construction. Period: 2007-2012. Partner: Shanghai Municipal Education Commission. Funding:25,000 RMB (Government's project) ● Computer General Curriculum, Shanghai Key Course Construction. Period: 2010-2012. Partner: Shanghai Municipal Education Commission. Funding:25,000 RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Multi-level security analysis and design of E-tax system, FUJIAN Computer (2006) ● Agent Based Intelligent System Modeling， Encyclopedia of Artificial Intelligence(2008) ● Research and application of application integration framework based on the SOA and the Smart Client, Microelectronics and Compute (2006) ● Application of Wiki technology in the process of learning and collaborative learning, Computer basic teaching collection(2009)
Activity in professional associations within the last five years	

Name	JIA Hongzhi
Post	Professor of Optic-electrical Engineering
Academic career	1986-1990 Beijing Institute of Technology Bachelor in Electrical Engineering 1997-2000 Xi'an Institute of Optics & Precision Mechanics, Chinese Academy of Science Ph.D in Optics
Employment	1991-1996 Xi'an Modern Chemistry Institute Assistant Engineer 1996-1997 Xi'an Modern Chemistry Institute Engineer 2000-2002 Fudan University Post-doctoral 2007 University of Florida, USA Visiting scholar 2003-2011 University of Shanghai for Science and Technology Associate Professor 2011- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Study on the photosensitivity of silica glass with high Sn dopant. Period: 2009-2011. Partner:Shanghai education commission creative research project Program (09YZ211). Funding: 80,000RMB(Government's project)
Industry collaborations over the last 5 years	● System design of the optical coherent tomography. Partner: Wuxi Wio Technology Ltd.
Patents and proprietary rights	● Frequency modulated laser polarimeter. Patent code: Z.L.200710172023.0 (2009) ● The polarimeter used to measure the rotation angle of optical active substance and its measurement method. Patent code: Z.L.200810034439.0 (2011)
Important publications	● UV irradiation-induced Raman spectra changes in lead silicate glasses, Opt. Materials, Vol. 29, Issue 4, pp.445-448(2006) ● A double-feedback constant current source suitable for LDs and LEDs, Electronics World, Vol.113, No.1853 , pp. 40-43 (2007) ● Design of a voltage-controlled, high-current source with bipolar output. Electronics World, Vol. 115, pp.41-42(2009) ● Extracting a circle and its centre in a moving dummy mass, Electronics World, Vol. 116, Issue 1887, pp.22-25(2010) ● Evaluating 3D position and velocity of subject in parabolic flight experiment by use of the binocular stereo vision measurement, Chinese Optics Letters, Vol.8, Issue 6, pp.601-605(2010) ● Determination of the optical constants of thin films by means of transmission spectra and curve fitting, Proc. SPIE, Vol.7656, pp.76565G1-6 ● Design of compact projection lenses using double-layered diffractive optical elements, Journal of the SID(Society of the

	Information Display), Vol.19, Issue 3, pp.249-254(2011) ● A novel optical polarimeter based on the signal width measurement of the waveform, Optik, Vol.122, Issue 23, pp.2107-2109(2011)
Activity in professional associations within the last five years	● Council Member of Shanghai Laser Society

Name	JIANG Minshan
Post	Lecturer of Optic-electrical Engineering
Academic career	2000-2004 University of Shanghai for Science and Technology Bachelor in Technology of measurement and control 2004-2006 University of Shanghai for Science and Technology Master in Optical engineering 2006-2011 Shanghai Jiao-tong University Ph.D in Biomedical Engineering 2011- University of Shanghai for Science and Technology Lecturer of optic-electrical Engineering
Employment	2009-2010 University of Southern California, USA Research Scholar in Ophthalmology 2011- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	● A visual optics analysis system. Patent code: Z.L.200810035550 (2008)
Important publications	● Adaptive optics photo acoustic microscopy. Optics express, Vol.21, pp. 21770-21776(2010) ● Comparative analysis of Zernike aberrations generation with deformable mirrors for ocular adaptive optics. Journal of Modern Optics, Vol.16, pp.1741-1746(2009) ● Effective bandwidth in spectral-domain OCT. Proceedings of SPIE, pp.755432(2010) ● Aspherical optics design for minimal spherical aberration in vision correction of human eyes. Proceedings of SPIE(2008) ● Photo acoustic ophthal microscopy for in vivo retinal imaging. Optics express, Vol.4, pp.3967-3972(2010) ● Simultaneous dual molecular contrasts provided by the absorbed photons in photo acoustic microscopy. Optics Letters, Vol.23,pp.4018-4020(2010) ● Analysis and applications of accommodative lenses for vision corrections. Journal of Biomedical Optics, Vol.1(2011)
Activity in professional associations within the last five years	● Member of SPIE (The international society for optics and photonics)

Name	LI Mengchao
Post	Professor of Optic-electrical Engineering
Academic career	1978-1982 Shanghai normal university Bachelor in science
Employment	1982-1983 Shanghai grain technology school Lecturer 1983-1985 Shanghai institute of educational science Assistant researcher 1985-1992 Shanghai institute of optical instrument Engineer 1992-1996 Shanghai institute of optical instrument Senior Engineer 1996-2002 University of Shanghai for Science and Technology Associate Professor 2002- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Controlled delay full optical signal processing system. Partner: National Science Foundation of China (60472023).Funding: 20,000RMB(Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	● Red laser side-erasing type controlled delay signal confined transfer conveying system. Patent code: Z.L.200810033782.3 (2009) ● Signal segment compression processing system in time domain based on controlled delay signal transfer conveying. Patent code: Z.L.200810034013.5 (2010) ● Controlled delay signal confined transfer conveying system. Patent code: Z.L.200810033697.7(2010)
Important publications	● Simultaneous measurement of strain and temperature with a long-period fiber grating inscribed Sagnac interferometer, Vol. 284 , pp.2145-2148 (2011) ● Optimization of concatenated long-period fiber grating based M-Zfilter, Journal of Optoelectronics.Laser, Vol. 22, Issue 28, pp.1130-1133 (2011) ● Study on online nanomeasurement of metal film thickness as Cr based on SPR,Optical Technique, Vol. 38, Issue 1, pp.9-13 (2012) ● Online nanomeasurement of multilayer metal films thickness based on SPR, Opto-Electronic Engineering, Vol.39, Issue 6 , pp.56 - 62 (2012)
Activity in professional associations within the last five years	

Name	LI Xiangning
Post	Professor of Optic-electrical Engineering
Academic career	1978-1982 University of Shanghai for Science and Technology Bachelor in Optical Engineering 1982-1984 University of Shanghai for Science and Technology Master in Optical Engineering
Employment	1987-1993 University of Shanghai for Science and Technology Lecturer 1994-2003 University of Shanghai for Science and Technology Associate Professor 2004- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Aiming guided lighting equipment development. Period: 2005-2007. Partner: China Shipbuilding Industry Corporation. Funding: 800,000RMB ● MZDX measuring equipment development -1. Period: 2008-2009. Partner: China Shipbuilding Industry Corporation. Funding: 790,000RMB ● MZDX measuring equipment development -2. Period: 2011-2012. Partner: China Shipbuilding Industry Corporation. Funding: 198,000RMB
Industry collaborations over the last 5 years	● Special lens design and manufacture. Period: 2008-2011. Partner: Shanghai jingri communication equipment limited company
Patents and proprietary rights	● A measuring system for the image position of the light source. Patent code: Z.L.201120175341.4 (2011) ● An optical system for spectrum wavelength identification. Patent code: Z.L.200610118877.6 (2011)
Important publications	● Optical design and error analyses of lens for observing the fiber core based on the software ZEMAX. Proceeding of SPIE, Vol.7657(2010) ● Novel system for automatic measuring diopter based on ARM circuit block. Proceeding of SPIE(2009) ● Lens design for monitoring the fiber core in fiber splicing system, ● Diopter detecting method based on image processing ● A collimating lens design with large aperture and wide field of view ● Progressive lens design method based on addition power curve transformation
Activity in professional associations within the last five years	

Name	LI Yi
Post	Professor of Optic-Electrical Engineering
Academic career	1982-1986 Yunnan University Bachelor in Solid Physics 1986-1989 Nanjing Solid Electronics Device Institute Master in Semiconductor Physics 1997-2001 Huazhong University of Science and Technology Ph.D in Optical Engineering
Employment	1989-1997 Kunming Physics Institute Senior Engineer 2001-2003 Dare Optical and Electrical Communication Equipment Ltd. Company CTO 2003-2006 Huazhong University of Science and Technology Post Doctoral 2006- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● High-efficient solar-energy nano-optical material. Period: 2006-2009. Partner: Ministry of Science and Technology in China, Chinese National Programs for High Technology Research and Development (863 Program) (2006AA03Z348). Funding: 960,000RMB (Government's Project) ● Uncooled high-power 980nm pump laser packaging technology. Period: 2006-2009. Partner: Shanghai Science and Technology Commission, Scientific and technological project (06DZ11415). Funding: 700,000 RMB(Government's Project) ● Novel operation mode of uncooled infrared vanadium dioxide sensor. Period: 2005-2007. Partner: National Science Foundation of China (60477040). Funding: 240,000 RMB (Government's Project) ● High-Efficient solar-energy smart infrared material. Period: 2007-2009. Partner: Ministry of Education in China, Key projects of science and technology research (207033). Funding: 150,000 RMB (Government's Project) ● Monolithic Integration of diffractive microlen array and UV focal plane array. Period: 2009-2012. Partner: Shanghai Science and Technology Commission, Scientific and technological project (10ZZ942). Funding: 150,000RMB (Government's Project) ● Smart nano-optical material based on the thermo-optic effect. Period: 2009-2011. Partner: Shanghai Social Security Bureau, Talent development fund (2009-014). Funding: 100,000 RMB (Government's Project) ● Smart nano-optical material based on the thermo-optic effect. Period: 2012-2014. Partner: Shanghai Social Security Bureau, Leading talent cultivation projects (2011-026).Funding: 250,000 RMB (Government's Project)
Industry collaborations over the last 5 years	● Off-axis rotary optical fiber transmission system. Period: 2010-2012. Partner: Shanghai Institute of Electric-control. Funding: 170,000RMB

	● High-power 980nm pump laser. Period: 2012-2015. Partner: Jiangsu Yancheng Zhongjiang Electronics Corporation. Funding: 1,000,000 RMB
Patents and proprietary rights	● The treatment process of HgCdTe surface oxides. Patent code: Z.L.200610027038.3 (2009) ● The Monolithic integration technology between dffrative micolens and UV FPA. Patent code: Z.L.200710040514 (2010) ● The treatment process of CdTe surface oxides. Patent code: Z.L.200710040285.1 (2011)
Important publications	● Theoretical investigation into spectral characteristics of a semiconductor laser with dual-FBG external cavity. Optics Communications, Vol.284, No.12,pp. 2960-2965(2011) ● Wavelength stabilization of a 980-nm semiconductor laser module stabilized with high-power uncooled dual FBG. Chinese Optics Letters, Vol.9, No.3, pp.031403(2011) ● Microstructures and thermochromic characteristics of low-cost vanadium-tungsten co-sputtered thin films. Surface & Coatings Technology, Vol.206, No.11-12, pp.2922-2926(2012) ● Fabrication of VO2 films with low transition temperature for optical switching applications. Optics Communications, Vol.256, pp.305-309(2005) ● Nanostructure and dropping phase transition temperature in vanadium dioxide thin films. International Journal of Nanoscience, Vol.4, No.1, pp.99-106(2005) ● Coherence collapse of the dual fiber Bragg grating external cavity semiconductor laser. Acta Phys. Sin. Vol. 61, No. 1, pp.014201(2012) ● Preparation and Infrared Optical Properties of W-V Co-sputtered Thermochromic Thin Films. RARE METAL MATERIALS AND ENGINEERING, Vol.41, No.1, pp.143-147(2012) ● Surface Oxidative Characterization of LPE HgCdTe Epilayer Studied by X-ray Photoelectron Spectroscopy. Chinese Journal of Semiconductors, Vol. 21, No.1, pp.8-11(2000) ● Diffractive microlens array monolithic integration with PtSi focal plane array. International Journal of Infrared and Millimeter Waves, Vol.21, No.9, pp.1417-1425(2000) ● Study on thermochromic properties of VO2/ZnO nanocrystalline composite films. Acta Phys. Sin., Vol. 60, No. 9, pp.689-694(2011)
Activity in professional associations within the last five years	● Member of Chinese Optics Association

Name	LI Zhenqing
Post	Lecturer
Academic career	2001-2005 The PLA Information Engineering University Bachelor in schools of science 2005-2011 Shanghai Jiao Tong University Ph.D in Optical Engineering
Employment	2011- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Is pulsed electric field still effective for RNA separation in capillary electrophoresis? Journal of Chromatography A, Vol.1229, pp.274-279 (2012) ● Separation of long DNA fragments by inversion field capillary electrophoresis. Analytical and Bioanalytical Chemistry,Vol. 401, Issue 5, pp.1665-1671 (2011) ● Acetic acid denaturing pulsed field capillary electrophoresis for RNA separation. Electrophoresis, Vol.31, Issue 21, pp.3531-3536 (2010) ● The influence of polymer concentration, applied voltage,modulation depth and pulse frequency on DNA separation by pulsed field capillary electrophoresis. Journal of Separation Science, Vol.33, pp.2811-1817 (2010)
Activity in professional associations within the last five years	

Name	LIANG Binming
Post	Associate Professor of Optic-electrical Engineering
Academic career	1994-1998 Xi'an Jiaotong University Bachelor in in physics 1998-2005 Shanghai Jiaotong University Ph.D in physics
Employment	2005-2011 University of Shanghai for Science and Technology Lecturer 2011- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● Phenomena such as negative refraction in photonic crystal research and application. Period: 2007-2008. Partner: Shanghai education commission. Funding: 30,000RMB
Industry collaborations over the last 5 years	● Fiber optic temperature sensor. Partner: Shanghai Huawei fiber sensor Limited
Patents and proprietary rights	
Important publications	● Observation of the inverse Doppler effect in negative-index materials at optical frequencies. Nature Photonic, Vol.5, No.4(2011) ● Negative refraction phenomenon dependent on wave guide width. Proc. of SPIE, Vol. 6722, pp.67222Z-1-6(2007) ● An applying of media with a negative refractive index in the IR and visible frequencies. Proc. of SPIE, Vol. 6722, pp.67222R-1-6(2007) ● Nonlinear directional coupler with variable coupling coefficient and variable nonlinear refractive index coefficient. Opt. Commun. Vol.247(4-6), pp.447-451(2005) ● Coupled mode analysis of the nonlinear switching in the couplers with variable coupling coefficient. Opt. Commun. ,Vol.223(1-3), pp.195-200(2003)
Activity in professional associations within the last five years	● Member of SPIE (The international society for optics and photonics)

Name	LIU Lixia
Post	Lecturer
Academic career	1996-2003 Qufu Normal University Bachelor in Education Technology 2003-2006 Shanghai Normal University Master in Education Technology
Employment	2006- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● Shanghai University Outstanding Young Teacher research and special fund. Period: 2008-2010. Partner: Shanghai Municipal Education Commission. Funding: 30,000RMB(Government's project) ● C Programming, Shanghai Key Course Construction. Period: 2007-2012. Partner: Shanghai Municipal Education Commission. Funding:25,000 RMB (Government's project) ● Computer General Curriculum, Shanghai Key Course Construction. Period: 2010-2012. Partner: Shanghai Municipal Education Commission. Funding:25,000 RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Research on Web based Independently Participating Design on Homework System. Northwest Medical Education, Vol. 1, Issue 18, No.3, pp.581-584 (2010) ● Views based on the mode of IT teaching in the network environment. Education Innovation Review, No.7,pp198-200(2008) ● Discrimination of educational narrative research network platform. China Educational Technology & Equipment, No.4,pp16-18(2008) ● Social Network Analysis and the Blog Ads Location Choice, Computer Knowledge and Technology, Vol.3,No.5, pp.1088-1090 (2008)
Activity in professional associations within the last five years	

Name	LI Haiying
Post	Associate professor of Electrical Engineering
Academic career	1995-1999 Taiyuan University of Technology Bachelor Degree in Electrical Engineering 1999-2002 Taiyuan University of Technology Master in Electrical Engineering 2004-2007 Shanghai University Ph.D in Automation
Employment	2002-2004 University of Shanghai for Science and Technology Assistant 2005-2008 University of Shanghai for Science and Technology Lecturer 2008- University of Shanghai for Science and Technology Associate professor
Research and development projects over the last 5 years	● The research on the coupled electric-thermal model and the health management for the mining high-voltage cable connector (12YZ099). Period: 2012-2014. Partner: Innovation program of shanghai municipal education commission. Funding: 80,000 RMB
Industry collaborations over the last 5 years	● The research on the key technology of mining intelligent apparatus based on PLC. Period: 2010-2013. Partner: Zhejiang Huayi Mining equipments CO.,LTD.Funding: 310,000 RMB
Patents and proprietary rights	
Important publications	● Safety early warning model for mining HV cable based on radar chart method. Journal of China Coal Society(2012) ● A Multi-Period Energy Acquisition Model for a Distribution Company Based on Distributed Generation and Interruptible Load. Transactions of China Electrotechnical Society, Vol.23, Issue 7, pp.105-111(2008) ● An Energy Acquisition Model for a Distribution Company With Distributed Generation and Interruptible Load Options. Proceedings of the CSEE, Vol.28, Issue 10, pp.88-93(2008) ● A Multiperiod Energy Acquisition Model for a Distribution Company with Distributed Generation and Interruptible Load. IEEE Transactions on Power Systems, Vol.22, Issue 2, pp.588-596(2007)
Activity in professional associations within the last five years	

Name	MA Junshan
Post	Professor of Electrical Engineering
Academic career	1985-1989 Beijing Institute of Technology Bachelor Degree in Electrical Engineering 1992-1995 Dalian Jiaotong University Master in Measurement Technology 1995-1999 Harbin Institute of Technology Ph.D in Prosice Instrument 1999-2001 Shanghai Institute of Optics Fine Mechnics ,Chinese Academy of Sciences post-doctoral Research in Optics Engineering
Employment	1997-1998 Tohoku University Research Scientist 2001-2004 University of Shanghai for Science and Technology Associate Professor 2004- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Bio-chip measurement system. Period: 2004-2005. Partner:Shanghai Science and Technology commission Program (022261016). Funding: 200,000RMB (Government's project) ● Three-dimensional imaging theory and technology based on self-mixing effect in a laser. Period: 2008-2011. Partner:Shanghai education commission creative research project Program (09YZ223).Funding: 80,000RMB (Government's project) ● Microplate Reader for clinical diagnosis.Period: 2005-2008. Partner: Shanghai education commission key project Program (05ZZ26).Funding: 150,000RMB (Government's Project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	● Profile measurement system based frequency shifting feedback effect. Patent code: Z.L.201120077575.5(2011) ● Three-dimensional measurement system of biological tissue structure. Patent code: Z.L.200920072112.2 (2009) ● Microplate Reader for clinical diagnosis. Patent code: Z.L.200720075797.7 (2007)
Important publications	● Fabrication Error Analysis and mpensation for Guided-Mode Resonance Biosensor. IEEE PHOTONICS TECHNOLOGY LETTERS, Vol.24,Issue 4, pp.291-293(2012) ● Sensitivity of guided mode resonance filter-based biosensor in visible and near infrared ranges. SENSORS AND ACTUATORS B-CHEMICAL, Vol.156, Issue 1, pp.194-197(2011) ● Chaos synchronization and encoding in coupled semiconductor lasers of multiple modulated time delays. OPTIK, Vol.122, Issue 23, pp.2071-2074(2011) ● Chaos synchronization and communication of the polarization modes for two unidirectionally coupled vertical-cavity surface-emitting lasers. OPTIK, Vol.122, Issue 21,

	pp.1910-1913(2011) ● Synchronization of polarization mode of two unidirectionally coupled vertical-cavity surface-emitting laser and its application in communication. OPTIK, Vol.122, Issue 16,pp.1458-1461(2011) ● Chaos synchronization and communication of mutual coupling lasers ring based on incoherent injection. OPTIK, Vol.121, Issue 24, pp.2227-2229(2010) ● Realization of quantum single pendulum on macroscopic level. ACTA PHYSICA SINICA, Vol.59, Issue 3, pp.1456-1461(2010) ● Synchronization and communication of two mutual coupling lasers subject to incoherent injection. JOURNAL OF MODERN OPTICS, Vol.56, Issue 8, pp.1029-1035(2009) ● Dual-wavelength microarray fluorescence detection system using volume holographic filter. JOURNAL OF BIOMEDICAL OPTICS, Vol.12, Issue 1, pp.014040(2007)
Activity in professional associations within the last five years	● Member of SPIE (The international society for optics and photonics) ● Member of OSA (Optical Society of America) ● Member of Chinese Optics Association

Name	NI Yi
Post	Lecturer of Optic-electrical Engineering
Academic career	1997-2001 Shanghai Jiao Tong University Bachelor Degree in biomedical engineering 2001-2009 Shanghai Jiao Tong University Ph.D in Optics 2009-2011 University of Shanghai for Science and Technology Post doctor in Optical Engineering
Employment	2011- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	● Automatic method for spectral quantitative analysis. Patent code: CN 1235035C (2006)
Important publications	● Self-association of (R)-1,3-butanediol in an inert dilute solution studied by infrared spectroscopy in combination with density functional theory and chemometrics. Journal of Molecular Structure, Vol.875, pp.205-218 (2008) ● Design of separation length and electric field strength for high-speed DNA electrophoresis. Electrophoresis, Vol.32 pp.238-245 (2011)
Activity in professional associations within the last five years	

Name	PENG Runling
Post	Associate Professor of Optic-electrical Engineering
Academic career	1993-1999 Nanchang University Bachelor Degree in physics education 1999-2002 Nanjing University of Aeronautics and Astronautics Master in Optical Engineering 2005-2009 University of Shanghai for Science and Technology Ph.D in Optical Engineering
Employment	2002-2010 University of Shanghai for Science and Technology Lecturer 2010- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● Theoretical and experimental research on accommodative intraocular lens based on double-liquid variable-focus lens. Period: 2012-2014. Partner: National Science Foundation of China (11104184). Funding: 250,000RMB (Government's project) ● Research on low-voltage double-liquid variable-focus lens and its application in intraocular lens. Period: 2012-2014. Partner: Shanghai education commission creative research project Program (12YZ108). Funding: 80,000RMB (Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	● A kind of optical system and imaging method simulating eye focusing based on double-liquid variable-focus lens. Patent code: Z.L. 201110081217.6 (2012) ● Optical design method of variable-focus lenses without motorized movement imgaging finite objects. Patent code: Z.L. 200610118878.0 (2008) ● Design method for a kind of variable-focus lenses without motorized movement. Patent code: Z.L. 200610030634.7 (2009)
Important publications	● Variable-focus hysteresis of double-liquid variable-focus lens. ACTA OPTICA SINICA, Vol. 31, Issue 6, pp.0612001-1-5 (2011) ● Electrically controlled and liquid-based optical imaging apparatus. ACTA PHOTONICA SINICA, Vol. 39, Issue 10, pp.1836-1839 (2010) ● Electrowetting-actuated zoom lens with spherical interface liquid lenses. J. Opt. Soc. Am. A, Vol.25, Issue 11, pp.2644-2650 (2008) ● Design and Analysis of a Variable-Focus Optical System Based on Electrowetting. ACTA OPTICA SINICA, Vol. 28, Issue 6, pp.1141-1146 (2008) ● Design of a zoom lens without motorized optical element. Optics Express, Vol. 15, Issue 11, pp.6664-6669 (2007)
Activity in professional	

associations within the last five years	

Name	PENG Yan
Post	Associate Professor of Optic-electrical Engineering
Academic career	2000-2004 Anhui normal University Bachelor Degree in physics education 2004-2006 East China Normal University Master in Optical Engineering 2006-2009 East China Normal University Ph.D in Optical Engineering
Employment	2009- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● Chirp control of UV-precision spectroscopy by using the few-cycle femtosecond laser. Period: 2012-2014. Partner: National Science Foundation of China (11104186). Funding: 250,000 Yuan (Government's project) ● The control of precision spectroscopy based on UV femtosecond laser. Period: 2011-2013. Partner: Innovation Program of Shanghai Municipal Education Commission (11YZ117).Funding: 80,000 RMB (Government's project) ● New micro-nano structured silicon material and its broad spectrum solar cell research with high efficiency.Period: 2010-2014. Partner: National Program on Key Basic Research Project of China (973 Program, X1052010CB933800). Funding: 1,300,000RMB(Government's project) ● The simplified light way design of Terahertz dangerous goods ingredients analysis.Period: 2012-2015. Partner: the Major National Development Project of Scientific Instrument and Equipment (2011YQ150021).Funding: 4,940,000RMB (Government's Project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	● A new broadband Terahertz light generator. Patent code: ZL.200610116810.9 (2008) ● A fabrication system and method for the micro-nano structured silicon material. Patent code: ZL.201010146042.8 (2011)
Important publications	● Pulse shaping to generate an XUV supercontinuum in the high-order harmonic plateau region. Phys. Rev. A, Vol.78, 033821 (2008) ● Phase-matching control of high-order harmonic generation in a two-color laser field. Phys. Rev. A, Vol.76, 063823 (2007) ● The optimal relation between laser power and pulse number for the fabrication of surface-microstructured silicon. Appl. Opt., Vol.50, 4765 (2011) ● The effect of the relation between femtosecond laser power and pulse number for fabricating surface-microstructured silicon. Chinese Journal of Lasers, Vol.38, Issue 12, 1203005 (2011) ● Generation of carrier-envelope-phase stabilized 6 fs ultrashort

	pulses and their application in high-order harmonic generation. Chinese Journal of Lasers, Vol.33, Issue 11, pp.1486-1489 (2006) ● Second harmonic control of macroscopic phase matching of high-order harmonic generation. The CCAST-WL Workshop on Strong Field Laser Physics, October (2008)
Activity in professional associations within the last five years	● Member of SPIE (The international society for optics and photonics) ● Member of OSA (Optical Society of America)

Name	QIAN Weikang
Post	Associate Professor
Academic career	1979-1982 University of Shanghai for Science and Technology Bachelor Degree in Electronic Circuits 1989-1992 University of Shanghai for Science and Technology Master in Automation
Employment	1984-1989 University of Shanghai for Science and Technology Assistant Engineer 1990-2003 University of Shanghai for Science and Technology Lecturer 2004- University of Shanghai for Science and Technology Associate professor
Research and development projects over the last 5 years	● Portable intelligent spectrum analyzer for detection of food chemical composition.Partner: Project of International cooperation from Shanghai Science and Technology Commission. (051 407 092) Funding: 150,000 RMB ● Analysis of Compatibility Between NI data acquisition card and PC –CATAI. 2010 ● Measurement Research of the Precision Electronics Dividing Segments for Optical Grating Tilting. Funding: 200,000RMB. 2011 ● Development and Experimental Study of the electronic throttle (ETC). Funding: 270,000 RMB (2011)
Industry collaborations over the last 5 years	● Basic research of Automotive electric actuator. Parner:WOCO company of German. Funding: 140,000 RMB
Patents and proprietary rights	
Important publications	● Practical Solution for Automotive Electronic Throttle Control Based on FPGA. 9th International Conference on Signal Processing, Volume I(ICSP 2008).pp.453-457(2008) ● Design and Simulation of Adaptive Digital Filter Based on Embedded System. Journal of Donghua University, Vol.6 , pp.807-811 (2007) ● A Method of Signal Processing for Optical Encoder Based on FPGA. MEASUREMENT & CONTROL TECHNOLOGY, Vol.12, pp.49-52 (2010) ● The Control Strategy of Automotive Electronic Throttle. MEASUREMENT & CONTROL TECHNOLOGY, Vol.02, pp.47-51(2010) ● Design and Implementation of DC Boost Converter Based on L4981A. MEASUREMENT & CONTROL TECHNOLOGY,Vol.02, pp.60-63(2011) ● Simpler Realization of PID Algorithm Based on System Generator. Application of Electronic Technique, Vol.11, pp.48-51(2011) ● FPGA Embedded System Design.Publishing House of Electronics Industry (2007)
Activity in	

professional associations within the last five years	

Name	SUI Guorong
Post	Associate professor of Optic-electrical Engineering
Academic career	1992-1996 Beijing Institute of Technology Bachelor Degree in Autocontrol theory and application 2000-2003 University of Shanghai for Science and Technology Master in instrument 2004-2008 University of Shanghai for Science and Technology Ph.D in Optical Engineering
Employment	2008-2011 University of Shanghai for Science and Technology Lecturer 2012- University of Shanghai for Science and Technology Associate professor
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	● Research and development of ST-90 OIL stability testing. Partner: Nantong Cellulose Fibers Co., LTD. ● Multi-source information collection and management system development. Partner: Shanghai Yi le Industrial Co., LTD.
Patents and proprietary rights	● A particle size of the detection device. Patent code: ZL 2011 2 0185395.9(2012)
Important publications	● Large positive and negative lateral optical beam shift due to long-range surface plasmon resonance. Opt. Commun.,Vol.284, Issue 6, pp.1553-1556(2011) ● Research on gait recognition technology based on fiber array sensor. Journal of Optoelectronics Laser, Vol.22, Issue 3, pp.359-362(2011) ● Measurement of particles by optical fiber coupling. Optics and Precision Engineering, Vol.19, Issue 12, pp.2844-2853(2011) ● Automatic waveguide-fiber coupling system based on a multiobjective evolutionary algorithm. APPLIED OPTICS, Vol.46, Issue 30, pp.7452-7459(2007) ● Automatic optic waveguide chip packaging system based on center-integration algorithm. OPTICS COMMUNICATIONS, Vol.281, Issue 6, pp.1515-1521(2008)
Activity in professional associations within the last five years	

Name	TAO Chunxian
Post	Lecturer of Optic-electrical Engineering
Academic career	1999-2003 Shandong Normal University Bachelor Degree in physics education 2003-2006 Shandong Normal University Master in Optical Engineering 2006-2009 Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences Ph.D in Optical Engineering 2009-2011 University of Shanghai for Science and Technology Post doctorate of Optic-electrical Engineering
Employment	2009-2011 University of Shanghai for Science and Technology Research Scientist 2011- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● Study and fabrication of optical film for UV sensitive CCD. Period: 2009-2011. Partner: Shanghai Postdoctoral Sustentation Fund(10R21415400).Funding:40,000RMB(Government's project) ● Research and fabrication of AZO for Solar cell. Period: 2009-2010. Partner: Shanghai Baoshan district science and technology commission, (CXY-2009-22).Funding: 160,000 RMB(Government's project)
Industry collaborations over the last 5 years	● Optical fiber sensor by optical film. Partner: Shanghai Boomdts company
Patents and proprietary rights	● Multi-channel device and measurement methods for Film absorption. Patent code: Z.L.101435767 (2011) ● Temperature sensor probe for reflected type double membrane optical fiber. Patent code: Z.L.201772950U(2010)
Important publications	● Imaging photothermal microscopy for absorption measurements of optical coatings. Chinese Optics Letters , Vol.07 , Issue 11 , pp.1061(2009) ● Temperature field analysis of single-layer TiO2 films. Applied Optics Vol. 48, Issue 28, pp. 5380–5385 (2009)
Activity in professional associations within the last five years	

Name	XU Gongjie
Post	Lecturer of Optic-electrical Engineering
Academic career	2002-2006 Shandong University Bachelor Degree in Material Science and Engineering 2006-2011 Shanghai Institute of Microsystem and Information Technology, CAS Ph.D in Microelectronics and Solid-State Electronics
Employment	2011- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	● Optimization method of negative differential conductance in superconductor-graphene heterojunctions. Patent code: 201110118753.9 (2011)
Important publications	● Alternating current Josephson effect in superconductor-graphene-superconductor junctions. J. Appl. Phys., Vol.109,pp. 083704(2011) ● Disorder effect on the transport properties of graphene quantum well structures. J. Phys.: Condens. Matter, Vol.22, pp.435301(2010) ● The resonant tunneling through a graphene multiquantum well system. J. Appl. Phys., Vol.107, pp.123718(2010) ● Electron tunneling through a trapezoidal barrier in graphene. Jpn. J. Appl. Phys., Vol.49, pp.085201(2010) ● Electron tunneling in single layer graphene with an energy gap. Chin. Phys. B, Vol.20, pp.027201(2011) ● The graphene-SiC substrate interaction enhanced near-infrared absorption. Mod. Phys. Lett. B, Vol.25, pp.1393(2011)
Activity in professional associations within the last five years	

Name	XIN Shangzhi
Post	Associate professor of Engineering
Academic career	1982-1986 University of Shanghai for Science and Technology Bachelor Degree in Electrical Engineering 2000-2003 University of Shanghai for Science and Technology Master in Computer Engineering
Employment	1986-1993 Shanghai Measure and Control Research Institute Assistant Engineer 1993-2004 University of Shanghai for Science and Technology Lecturer 2005-2006 Loughborough University, UK Senior Visiting Scholar 2004- University of Shanghai for Science and Technology Associated professor
Research and development projects over the last 5 years	● Electrical and Electronics Engineering, Undergraduate Level Course. Period:2009-2011. Partner: Shanghai Education Committee.
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Design of photoplethysmography system detecting blood pulse oxygen saturation SpO2 signal of finger. Journal of University of Shanghai for Science and Technology, Vol.32, No.2, pp.179-182+204 (2010) ● Study on blood Pulse photoplethysmography signal on toe under different body posture and lower limb height. Journal of University of Shanghai for Science and Technology, Vol.30, No.5, pp.493-496(2008) ● Effect of postural changes on lower limb blood volume detected with non-invasive photoplethysmography. Journal of Medical Engineering and Technology, Volume 32, Issue 5, pp.358-364(2008) ● Investigation of blood pulse PPG signal regulation on toe effect of body posture and lower limb height. Journal of Zhejiang University SCIENCE A, Vol.8, No.6, pp.916-920(2007) ● Development of non-invasive photoplethysmography to assess lower limb peripheral perfusion. Conference of Optics and Photonics 2006, Institute of Physics. Manchester,UK. 4-7 Sept. 2006(2006)
Activity in professional associations within the last five years	

Name	YANG Yongcai
Post	Executive Dean and Professor of Optical-electrical and computer Engineering
Academic career	1978-1982 University of Shanghai for Science and Technology Bachelor Degree in Precision Measurement Technology 1986-1989 University of Shanghai for Science and Technology Master in Precision Measurement Technology
Employment	1982-1990 University of Shanghai for Science and Technology Lecturer 1990-2002 University of Shanghai for Science and Technology Associated Professor 2002-2003 University of Stuttgart, Germany Associated Research Fellow 2002- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● The textile pre-shrinkage photoelectric line analyzer. Period: 2007-2009. Partner: Shanghai education commission. Funding: 50,000RMB ● Shanghai Social Assistance Information NMS. Period: 2008-20011. Partner: Shanghai Pudong Federation of trade unions. Funding: 50,000RMB
Industry collaborations over the last 5 years	● Camera lens spectral transmittance and color contribution index detector. Period: 2008-2012. Partner: OmniVision Technologies Inc. Funding: 800,000RMB ● CCD hot rolled steel plates online detector. Period: 2008-2010. Partner: Shanghai Baogang Ltd. Funding: 280,000RMB
Patents and proprietary rights	● For permanent magnet electromagnetic ferroalloy electric furnace modular automatic adjustment magnetic water trap. Patent code: ZL 2006 0117338.0(2009)
Important publications	● The hardware system design of smart color mark sensor, SOPO(2009) ● Accurate laser axial vibration online measurement instrument. Chinese Journal of Scientific Instrument, Vol. 28, Issue 7, pp.1319-1322 (2007)
Activity in professional associations within the last five years	● Member of Chinese Optics Association

Name	YANG Hui
Post	Lecture of Optic-electrical Engineering
Academic career	1999-2003 University of Shanghai for Science and Technology Bachelor Degree in Electronic Information Engineering 2003-2006 University of Shanghai for Science and Technology Master in Precision Instrument and Machinery 2006-2009 University of Shanghai for Science and Technology Ph.D in Optical Engineering
Employment	2009- University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● Study on the measurement of the diameter and the concentration of nanoparticles based on dynamic light backscattering. Period: 2011-2013. Partner: National Science Foundation of China (61007002). Funding: 200,000RMB (Government's project) ● Study on the dynamic light backscattering technique for the nanoparticle sizing. Period: 2011-2012. Partner: Shanghai Municipal Education Commission and Shanghai Education Development Foundation, “Chen Guang” project. Funding: 60,000RMB(Government's project)
Industry collaborations over the last 5 years	
Patents and proprietary rights	● A particle sizing equipment based on Dynamic polarized light scattering. Patent code: ZL 200920214170.4 (2010) ● An equipment for the measurement of nano-particle in concentrated dispersion based on back-scattering photon correlation spectroscopy. Patent code: ZL 200820054407.2 (2009) ● A nano-particle sizing equipment based on the Variance of Temporal Coherence of Dynamic Light Scattering. Patent code: ZL 200820054408.7 (2009)
Important publications	● A Discussion of Noise in Dynamic Light Scattering for Particle Sizing. Part. Part. Syst. Charact., Vol.25(5-6),pp. 406-413(2009). ● Dynamic light back-scattering with polarization gating and Fourier spatial filter for particle sizing in concentrated suspension. Optica Applicata, Vol. XL, No. 4, pp.819-826(2010) ● Measurement of Nano-particles by the Variance of Temporal Coherence of Dynamic Light Scattering. Opt. Precision Eng., Vol.19, Issue 7, pp.1546-1551(2011) ● Measurement of Nano-particle by Modern Spectral Estimation of Dynamic light Scattering. Opt. Precision Eng., Vol.18, Issue 9, pp.1996-2001(2010) ● Study on the method of particle sizing by dynamic light scattering based on polarization gating. Optical Technology, Vol.36, Issue 3, pp.415-419(2010) ● Effect of the Measurement Area in Dynamic Light Scattering for Particle Sizing. Laser Technology,Vol.33, Issue 4(2009) ● The Study of Back Scattering PCS for Particle Sizing in High

	Concentrated Suspension. ACTA PHOTONICA SINICA, Vol.38, Issue 1, pp.179-183(2009) ● Study on the method of particle sizing by dynamic light scattering based on polarization gating. Optical Technology, Vol.34, Issue 1, pp.50-52 (2009)
Activity in professional associations within the last five years	

Name	YANG Bo
Post	Associate Professor of Optic-electrical Engineering
Academic career	1996-2000 Beijing Institute of Technology Bachelor Degree in Measurement and Control Technology & Instruments 2000-2005 Beijing Institute of Technology Ph.D in Optical Engineering 2005-2007 Tsinghua University Post-Doctoral Researcher
Employment	2007-2009 GE Global Research Center Ltd. Research Scientist 2009- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● Design Method of Free-form Optics in LED Illumination system. Period: 2011-2013. Partner: National Science Foundation of China (60807007). Funding: 250,000RMB(Government's project) ● Research of Free-form Component in Modern Optics. Period: 2010-2012. Partner: Shanghai education commission creative research project Program (Z2010302018). Funding: 80,000 RMB (Government's project) ● Development of Hign Performance LED Illumination System. Period: 2009-2010. Partner: Ministry of Education in China, Scientific Research Starting Foundation for Returned Overseas Chinese Scholars. Funding: 30,000RMB(Government's Project)
Industry collaborations over the last 5 years	● Development of Auto-exposure PCB Machine. Partner: Findway (Shanghai) Automation Systems Co.,Ltd.
Patents and proprietary rights	● Design system and method of free-form reflector. Patent code: Z.L. 200610034546 (2006) ● Manufacture Method of Liquid Lens. Patent code: Z.L. 201010107346 (2010)
Important publications	● Design of free-form HMD system with big aperture. ACTA PHOTONICA SINICA, Vol.7, pp.1051-1054(2011) ● Design of Micro-structure Light Pipe for Touch Screen. ACTA PHOTONICA SINICA, Vol.11, pp.103-104(2010) ● 3D surface defect analysis and evaluation, Two- and Three-Dimensional Methods for Inspection and Metrology VI, Optics Photonics 2008 San Diego. Proc.SPIE.7066, DOI: 10.1117/12.799883(2008) ● Automating design of free-form optics for LED lighting. SPIE News Room Invited Article(2008) ● Efficient ray-tracing for free-form reflectors. OPTIK, Vol.120, pp.40-44 (2009) ● Free-form lens design for wide-angle imaging with an equidistance projection scheme. OPTIK, Vol.120, pp.74-78(2009) ● Free form reflector design using differential evolution algorithm. Key Engineering Materials, Vols. 364-366, pp.

	138-142 (2008) ● Computer-aided design and optimization of free-form reflectors. Optical Design and Fabrication Ⅱ, Photonics Asia. Proc. SPIE. 5638,pp.88-96(2004)
Activity in professional associations within the last five years	

Name	ZHENG Jihong
Post	Professor of Optic-electrical Engineering
Academic career	1993-1997 Anhui normal University Bachelor Degree in physics education 1997-2000 Hefei University of Technology Master in Applied physics 2000-2003 University of Shanghai for Science and Technology Ph.D in Optical Engineering
Employment	2003-2006 University of Shanghai for Science and Technology Lecturer 2006-2011 University of Shanghai for Science and Technology Associate Professor 2008-2009 Electrical Engineering, Pennsylvania State University, USA Research Scientist 2012- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● FDMCF microscopy based on H-PDLC array modulation. Period: 2009-2011. Partner: National Science Foundation of China (60801041). Funding: 220,000RMB (Government's project) ● Frequency Division Multiplexing Confocal Fluorescent microscopy applied within cell detection. Period: 2010-2012. Partner: Shanghai Science and Technology commission Rising-Star Program (10QA1405100). Funding: 150,000RMB (Government's project) ● Large refractive index modulated tilted fiber coupler device. Period: 2008-2011. Partner:Shanghai education commission creative research project Program (09YZ227). Funding: 80,000 RMB (Government's project) ● FDMCF microscopy construction and application. Period: 2010-2011. Partner: Ministry of Education in China, Scientific Research Starting Foundation for Returned Overseas Chinese Scholars. Funding: 30,000RMB(Government's Project)
Industry collaborations over the last 5 years	● Optical design in Cell cultivating device. Partner: Shanghai cohere company
Patents and proprietary rights	● A Tunable Multi-function LED light. Patent code: Z.L.201120175341.4 (2012) ● A Detection method for micro-sized particles based on laser feedback effect. Patent code: Z.L.200610118877.6 (2008) ● A electrical tunable optical imaging system. Patent code: Z.L.200510025499.2 (2008)
Important publications	● H-PDLC based waveform controllable optical choppers for FDMF microscopy. Optics Express, Vol. 19, Issue 3, pp.2216-2224 (2011) ● Electrically controlled optical choppers based on holographic polymer dispersed liquid crystal gratings. Chinese Optics Letters, Vol. 8, Issue 12, pp.1167-1170 (2010) ● Large refractive index modulation tilted holographic planar

	structured grating based on dichromated gelatin. Optics Communications, Volume 282, Issue 9, pp.1762-1766 (2009) ● Experiments and quantitative analysis of freqnency division multiplexing confocal fluorescence microscopy with UV excitation. Journal of Microscopy, Vol24, part 2 , pp.129-135.1365-2818.2011.03517.x (2011) ● Fingerprint sensor using a polymer dispersed liquid crystal holographic lens. Applied Optics, Vol. 49, Issue 25, pp.4763-4766 (2010) ● Electrically controlled H-PDLC switchable lens. Acta Physica Sinica,Vol59, pp.1835-1893 (2010) ● Electrically controlled H-PDLC array modulated multi-frequencies division multiplexed fluorescence confocal microscopy. Proceedings of SPIE, v 7781, Photonic Fiber and Crystal Devices: Advances in Materials and Innovations in Device Applications IV (2010) ● Experiments of Electrically controlled optical choppers based on H-PDLC gratings, SPIE, Vol,8120-57 (2011) ● Design and study of optical devices based on holographic polymer dispersed liquid crystal technology, Key Engineering Materials, Vol. 428-429, pp.356-362 (2010) ● H-PDLC Based Electrically Controlled Optical Chopper Applied Within the Fluorescence Microscopy System. Solid State Phenomena, Vols.181-182, pp.269-272 (2012)
Activity in professional associations within the last five years	● Member of SPIE (The international society for optics and photonics) ● Member of OSA (Optical Society of America) ● Member of Chinese Optics Association

Name	ZANG Jinsong
Post	Associate Professor of Computer Science
Academic career	1987-1991 Qufu Normal University Bachelor of Science 1998-2001 Shandong Normal University Master of Science
Employment	1993-2004 Qufu Normal University Lecturer 2004- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● The Advanced Programming Language C Key Course. Period: 2007-2008. Partner: Key Course Construction of Shanghai Municipal Education Commission. Funding: 50,000 RMB
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	● Based on the distributed cooperation research and implementation of knowledge retrieval. Computer & Information technology, Vol. 174, Issue 3, pp.16-18 (2008) ● Practice of Teaching Reform for College Computer Course in Medicine Major. Computer Knowledge and Technology, Vol.13,No. 7, pp.231-232 (2007) ● Research and Analysis of the Database System Security, Computer security, Vol. 7, pp.26-30 (2008) ● Studies and Applications of Teaching Management Information System based on Data Warehouse, Computer Development & Applications, Vol,22, No.11, pp .16-18 (2009) ● Safty Performance Analysis on Internet of Things, Computer security, Vol. 06, pp.51-52 (2010) ● Program Design Course for Computational Thinking Enhancement, Computer Education , Vol.158 pp. 78-80,(2012)
Activity in professional associations within the last five years	

Name	ZHANG Dawei
Post	Professor of Optic-electrical Engineering
Academic career	1996-1999 Yantai Normal College Bachelor in physics education 1999-2002 Qufu Normal University Master in Applied physics 2002-2005 Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences Ph.D in Optical Engineering
Employment	2003-2006 University of Shanghai for Science and Technology Lecturer 2006-2011 University of Shanghai for Science and Technology Associate Professor 2011- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Controlling the bandwidth of guided mode resonant filters. Period:2009-now. Partner: Natural Science Foundation of Shanghai Committee of Science and Technology (Grant No. 60908021) ● In-situ microscope and its application in bioreactor. Period: 2010-now. Partner: National science and technology support program (No. 2011BAF02B04)
Industry collaborations over the last 5 years	● Ultraviolet light sensitive CCD for spectrum device. Partners: Shanghai Spectrum Instrument Co.,Ltd.
Patents and proprietary rights	● Method of preparation for filling type subwavelength guide model resonance filter. Patent code: ZL200710171361(2009) ● Method of preparation for enhance silica imaging devices ultraviolet response of organic metal film. Patent code: ZL200810041823(2010) ● Method of precise controlling the grating constant In a plane grating production process. Patent code: ZL200910262348.7 (2010) ● A tunable narrowband the filter based on the polymer dispersed liquid crystal materials. Patent code: ZL200910195385.0 (2011) ● A LED chip with higher light efficiency. Patent code: ZL200620045648.1 (2007) ● A overlapping spectra grading device for grating spectroscope. Patent code: ZL200820152098.2 (2009) ● A silicon-based imaging devices with ultraviolet response. Patent code: ZL200820152199.X (2009) ● A hybrid electric LCD zoom lens. Patent code: ZL200920066727.4 (2009) ● A real-time monitoring system of diffraction efficiency for concave holographic grating. Patent code: ZL200920068533.8 (2009) ● White LED with Multi-layer phosphor layer. Patent code: ZL200920066726.X (2010)

	● A kind of double channel energy spectrum attune filter. Patent code:ZL200920178261.7(2010) ● Device of precise control of the grating constant In the plane grating production process. Patent code:ZL200920292090.0(2010)
Important publications	● Preparation of high laser induced damage threshold antireflection films using interrupted ion assisted deposition. Optics express, Vol.8, Issue 17, pp.10753-10760(2007) ● Colored image reproduced with guided-mode resonance filters array. Optics Letters, Vol. 36, Issue 23, pp.4698-4700(2011) ● Type of tunable guided-mode resonance filter based on electro-optic characteristic of polymer-dispersed liquid crystal. Optics Letters,Vol.35, Issue 8, pp.1236-1238(2010) ● Compensation of reflectance response deviations of guided-mode resonant filters induced by over-etched fabrication. Optics Letters, Vol.34, Issue 1, pp.70-72(2009) ● Design of guided mode resonant filters for authentication applications through azimuthal angles varying. Chinese Optics Letters, Vol.6, Issue 10, pp.776-778(2008) ● High Laser Damage Threshold HfO2 Films Prepared By Ion-Assisted Electron Beam Evaporation. Applied Surface Science, Vol.243/1-4, pp.232-237(2005) ● A Multi-layer Phosphor Package of White-light-emitting Diodes With High Efficiency. Optik, Vol.121, pp.2224-2226(2010) ● Preparation and Spectral Characterization of Lumogen Coatings for UV-Responsive CCD Image Sensors. Spectroscopy and Spectral Analysis, Vol.5, pp.1171-1174(2010) ● A new structure of multi-layer phosphor package of white LED with high efficiency. Chinese Optics Letters 8, 221-223 (2010) ● A method to accurately control the period of subwavelength planar holographic grating in the fabrication process of guided mode resonance filter. Optik, Vol.122, Issue 18, pp.1654-1656(2011) ● Tunable intensity of the spectral reflectance of a guided-mode resonance filter with dual channels. Opt Laser Technol, Vol.43, Issue 7, pp.1091-1095(2011)
Activity in professional associations within the last five years	

Name	ZHANG Huilin
Post	Associate Professor of Optic-electrical Engineering
Academic career	1990-1994 Anqin Normal University Bachelor in physical education 1996-1999 Tongji University Master in Condensed Matter Physics 2000-2003 The Chinese Academy of Science and Technology Ph.D in Physical Electronics
Employment	2003-2007 University of Shanghai for Science and Technology Lecturer 2007- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● FY-4 satellite field star observing high-precision two-dimensional turntable and high-speed synchronous acquisition system developed. Period: 2007-2010. Partner: National Satellite Meteorological Center. Funding: 20,000RMB (Government's project) ● Top-level design of a new generation of geostationary meteorological satellite applications and key technologies. Period: 2010-2012. Partner: National Satellite Meteorological Center. Funding: 20,000RMB (Government's project)
Industry collaborations over the last 5 years	● Rapid face images detection and identification algorithm based on DSP. Period: 2009-2011. Partner: Shanghai Test Easy Electronic Technology CO. LTD. Funding: 117,750RMB ● Smart security hardware and software platform based on face recognition, AVS video and audio codec technology consulting. Period: 2011. Partner: ShenZhen Zonghengxin Digital Technology Co., Ltd. Funding: 56,000RMB
Patents and proprietary rights	
Important publications	● Real-time Monitoring Thin Films' Optical Thickness at Shut-turning point using Fuzzy Logic. SPIE,Vol.6723,pp.67233V1-6 (2007) ● Study on the Electrical and Optical Characteristics of a Silicon Electro-optic Waveguide Modulator using Mental-Oxide-Semiconductor Configuration. SPIE,Vol.6724,pp.67241C1-5 (2007) ● Visual servo system based on the DM642 image processor design. Chinese Journal of Scientific Instrument, Vol.4 (2007)
Activity in professional associations within the last five years	

Name	ZHANG Rongfu
Post	Associate Professor of Optic-electrical Engineering
Academic career	1991-1995 Fuyang normal University Bachelor in physics 1995-1998 University of Shanghai for Science and Technology Master in Optics Instrument 2000-2004 Shanghai Jiaotong University Ph.D in Information and Communication
Employment	1998-2004 University of Shanghai for Science and Technology Lecturer 2005- University of Shanghai for Science and Technology Associate Professor 2005-2006 College of Optical Sciences, University of Arizona, USA Research Professor
Research and development projects over the last 5 years	● Error concealment for video transmission. Period: 2008-2010. Partner: Shanghai education commission. Funding: 60,000 RMB ● Super resolution imaging system. Period: 2007-2009.Partner: Shanghai education commission. Funding: 30,000RMB
Industry collaborations over the last 5 years	● Double frequency reflective film. Period: 2008-2012. Partner: Jilin Dongguang machine .Funding: 820,000RMB ● large depth of field imaging system. Period: 2008-2010. Partner: OmniVision Technologies Inc. Funding: 350,000RMB
Patents and proprietary rights	● Detective system for thin line. Patent code: 201020138613.9(2010)
Important publications	● Variations in the point spread function characteristics of wavelengths for a wave front coding imaging system. Optics Letters, Vol. 36, Issue 23, pp.4647-4649 (2011) ● The Characteristics of Multicolor Imaging System for Logarithmic Wavefront Coding, Spectroscopy and Spectral Analysis, Vol. 31, Issue 7, pp.1999-2002 (2011) ● Images concealment based on interframe matching mean and variance, Journal of Image and Graphics, Vol.15, Issue 11, pp.1578-1582 (2010)
Activity in professional associations within the last five years	● Member of Chinese Optics Association

Name	ZHANG Wei
Post	Lecturer of Optic-electrical Engineering
Academic career	1996-2000 Tianjin University Bachelor in Optics education 2002-2006 Xian Institute of Optical and Precision Mechanics of Chinese Academy of Science Master in Optics 2006-2009 Xian Institute of Optical and Precision Mechanics of Chinese Academy of Science Ph.D in Optical Engineering 2009-2011 Shanghai University for Science and Technology Postdoctoral researcher in Optical Engineering
Employment	2004-2009 Xian Institute of Optical and Precision Mechanics of CAS 2011- Associated Research University of Shanghai for Science and Technology Lecturer
Research and development projects over the last 5 years	● Design and optimization theory of liquid lens with electric controlling and single liquid material. Period: 2009-2011. Partner: China Postdoctoral Science Foundation (20100470712). Funding: 30,000RMB ● Design of a tracking and measurement system. Period: 2007-2008. Partner: Government's project. Funding: 500,000 RMB ● A method of MTF measurement with high-precision. Period: 2005-2006. Partner: Foundation of Xian Institute of Optical and Precision Mechanics of CAS. Funding: 40,000RMB ● Micro camera design. Period: 2002-2006. Partner: Innovation Foundation project of CAS. Funding: 700,000RMB
Industry collaborations over the last 5 years	● Optical design of micro laser projector. Partner: Shanghai Sanxin Tech. Development Company
Patents and proprietary rights	● A method of fabrication of tunable-focus liquid lens array. Patent code: Z.L.201010107346.3 (2011) ● Diffractive-refractive liquid lens based on electric-wetting. Patent code: Z.L.200810151132.9(2011) ● A design method and a system of zooming camera without any moving elements. Patent code: Z.L.200810150730.4(2012)
Important publications	● The analysis of the wave front aberration caused by gravity of the tunable-focus liquid-filled membrane lens. Proc. SPIE, Vol. 7849, pp.78491W-78491W-7 (2010) ● A novel micro zoom system design with liquid lens. Proc. SPIE, Vol. 7156, pp.715603(2009) ● A Method of Bifocal Zoom Endoscope System Design. ACTA PHOTONICA SINICA, Vol.39,Issue 1, pp. 105-109 (2010) ● Reduction of the optical noise in micro laser projector. ACTA PHOTONICA SINICA, Vol.40, Issue 6, pp.872-877(2011) ● Design of a kind of large depth of focus endoscope system. OPTICAL TECHNIQUE, Vol.35, Issue 4, pp. 558-565 (2009)

	● Novel methods for measuring Modulation Transfer Function for fiber optic taper. Proc. SPIE, Vol. 6034 (2006) ● Estimating 3-D parameters of moving point target in multi-channel optical imaging system. Proc. SPIE, Vol. 5637, pp.573-580. ● Deisign of mechnically-actuated variable focus liquid lens. Journal of Applied Optics, Vol.29(Sup), pp. 59-63(2008)
Activity in professional associations within the last five years	● Member of SPIE (The international society for optics and photonics)

Name	ZHANG Xuedian
Post	Associate Professor of Optic-electrical Engineering
Academic career	1993-1997 Tianjin University Bachelor in Industrial Electrical Automation 1999-2002 Shenyang University of Technology Master in Electric Machines and Electric Apparatus 2002-2005 Tianjin University Ph.D in Measurement Technology and Instruments
Employment	2005-2007 The Hong Kong University of Science & Technology, Hong Kong Research Scientist 2007-2009 University of Shanghai for Science and Technology Lecturer 2010- University of Shanghai for Science and Technology Associate Professor
Research and development projects over the last 5 years	● The study on fiber sensor web and key device. Period: 2010-2014.Partner: National “973 Project” (2010CB327800). Funding: 1,600,000RMB (Government's project) ● The on-line instrument of the rapid measurement of organic polluters in water. Period: 2010-2012. Partner: Shanghai Science and Technology commission Rising-Star Program (10142200500).Funding: 1,120,000RMB(Government's project) ● The study on fiber vibration sensor. Period: 2009-2010/12. Partner: The national Ministry of science and technology (2008IM041200). Funding: 600,000RMB (Government's project)
Industry collaborations over the last 5 years	● Spectrum Analysis Union. Partner: Ocean optics company
Patents and proprietary rights	
Important publications	● Influence and correction of temperature on optical measurement for fat and protein contents in a complex food model system. Infrared Physics and Technology, Vol. 53, Issue 3, pp.177-181 (2010) ● Optical microscopic imaging based on VRML Language. Proceedings of SPIE, Vol.7507(2009) ● A PDA-based Intelligent Building Service System. 2009 IEEE Circuits and Systems International Conference(2009) ● Novel analysis algorithms for differential optical absorption spectroscopy for pollution monitoring. Spectroscopy and Spectral Analysis, Vol. 27, Issue 11, pp.2367-2370 ● Comparison between MIR and NIR spectroscopic techniques for the determination of fat and protein contents in milk. Transactions of Tianjin University, Vol. 13, Issue 5, pp. 375-378 ● Processing of audio signal in all fiber-optic sensor system, 9th International Conference on Optical Communications and Networks, Vol. 2010, Issue 574 CP, pp. 87-90(2010)
Activity in	

professional associations within the last five years	

Name	ZHU Yiming
Post	Professor of Optic-electrical Engineering
Academic career	1998-2002 Shanghai Jiaotong University Bachelor in Applied physics 2002-2004 Shanghai Jiaotong University Master in Applied physics 2004-2008 University of Tokyo Ph.D in Electronics
Employment	2003-2004 University of Tokyo Assistant Researcher 2007-2009 University of Tokyo Researcher 2010-2011 University of Shanghai for Science and Technology Associate Professor 2012- University of Shanghai for Science and Technology Professor
Research and development projects over the last 5 years	● Study on terahertz gain characteristics in GaAs by using terahertz time-domain spectroscopy. Period: 2009-2010. Partner: Dawn plan, Shanghai education development foundation (08SG48). Funding: 150,000RMB (Government's project) ● Study on negative differential conductivity in GaAs by using terahertz time-domain spectroscopy. Period: 2009-2011. Partner: Shanghai education commission creative research project Program (09YZ221).Funding: 80,000RMB (Government's project) ● Study on carriers movement in GaAs in high electric field by using terahertz time-domain spectroscopy. Period: 2009-2010. Partner: The selection and training of Shanghai university for outstanding young teachers in scientific research special fund (slg08005). Funding: 30,000 RMB(Government's project) ● Preparation of silicon-based nano structure photovoltaic material by using femtosecond laser. Period: 2009-2011. Partner: Nanotechnology special (0952nm02400).Funding: 400,000 Yuan (Government's Project) ● Study on dynamic conductivity spectrum in GaAs in THz range in high electric field. Period: 2009-2011. Partner: Pujiang talent plan, Shanghai science and technology commission (09PJ1407800). Funding: 200,000RMB(Government's Project) ● Study on limiting frequency in HEMT by using terahertz time-domain spectroscopy. Period: 2011-2013. Partner: National Science Foundation of China (61007059).Funding: 200,000 RMB(Government's Project) ● Study on high-frequency negative differential conductivity in GaAs in high electric field by using terahertz time-domain spectroscopy. Period: 2012-2015. Partner: National Science Foundation of China (11174207). Funding: 740,000 RMB (Government's Project) ● Study on terahertz 3D stealth medium. Period: 2012-2016.

	Partner: National Science Foundation of China (61138001). Funding: 2,900,000RMB (Government's Project) ● Development of dangerous goods inspection by using terahertz technology. Period: 2011-2014. Partner: National important scientific instruments to develop dedicated (2011YQ150021). Funding: 62,850,000RMB (Government's Project) ● Study on a new micro-nano structure silicon and VHESC. Period: 2010-2014. Partner: Major state of basic research projects 973 plan (X1052010CB933800). Funding: 1,300,000 RMB (Government's Project)
Industry collaborations over the last 5 years	● A new intelligent ultraviolet imaging sensor. Partner: Shanghai glazing new optical technology Co., LTD
Patents and proprietary rights	● A suede ZAO transparent conductive film. Patent code: ZL201020121286.6(2010) ● A system and method of the preparation of micro-nano structure silicon. Patent code: ZL201010146042.8(2010)
Important publications	● Carrier Acceleration under Very High Fields in Bulk GaAs Investigated by Time-Domain Terahertz Spectroscopy. Phys. Stat. Soli. (c) ,Vol.5, Issue 240 (2008) ● Femtosecond Acceleration of Electrons under Very High Electric Fields in Bulk GaAs Investigated by Time-Domain Terahertz Spectroscopy. Appl. Phys. Lett., Vol.93, 042116 (2008) ● Power Dissipation Spectra and Terahertz Intervalley Transfer Gain in Bulk GaAs under High Electric Fields. Appl. Phys. Lett., Vol.93, 232102 (2008) ● The Effective Mass of Electron Enhancement in -valley in Bulk GaAs under Very High Electric Field Investigated by Time-domain Terahertz Spectroscopy. Proc. of SPIE 7277, 72770H-1 (2008) ● Temperature Dependence of Nonequilibrium Transport Time of Electrons in Bulk GaAs Investigated by Time-Domain Terahertz Spectroscopy. Appl. Phys. Lett., Vol.99, 022111 (2011) ● Theoretical Study of W-shaped Optical Fiber with a Depression in Core Center by Applying Analytical Transfer Matrix Method. Opt. Commun., Vol.284, 5130 (2011) ● The optimal relation between laser power and pulse number for the fabrication of surface-microstructured silicon. Appl. Opt.,Vol.50, 4765 (2011) ● Terahertz electromagnetic waves emit from semiconductor investigated by time domain terahertz spectroscopy. Chinese Optics Letters 9, 110007(2011)
Activity in professional associations within the last five years	● Member of Material Research Society ● Member of Chinese Optics Society ● Member of Japanese Applied Physics Society

Name	ZHUANG Songlin
Post	Professor of Optic-electrical Engineering
Academic career	1958-1962 Fudan University Bachelor in Electronic Engineering 1982-1983 Pennsylvania State University Ph.D in Electronic Engineering
Employment	1962-1979 Shanghai Institute of Optical Instruments Engineer 1979 Michigan State University , USA Research Scientist 1983 Shanghai Institute of Optical Instruments Associate Director 1988-1992 Shanghai Institute for Laser Technology Director 1995- University of Shanghai for Science and Technology Dean in College of Optical and Electronic Information Engineering 1995 Chinese Academy of Engineering Academician
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications	
Activity in professional associations within the last five years	● Observation of the inverse Doppler effect in negative-index materials at optical frequencies. Nature Photonic (http://www.nature.com/nphoton/), Vol.5, No.4(2011)