# OCPA OFFICERS, 2017-2018

### A) OCPA Executive Council

President-elect

XU, Nu NXu@lbl.gov Central China Normal University and (tel) 510-495-2951 Lawrence Berkeley National Lab (fax) 510-486-4818 MS70R0319, NSD Berkeley, CA 94720, USA

Vice-President

ZHONG, Donaping Physics Research Building 2142 Ohio State University 191 West Woodruff Avenue Columbus, OH 43210-1117, USA

zhong.28@osu.edu (tel) 614-292-3044 (fax) 614-292-7557

Secretary

CHIN, Cheng GCIS E107, Department of Physics (tel) 773-702-7192 University of Chicago 929 E. 57<sup>th</sup> Street Chicago, IL 69637, USA

cchin@uchicago.edu (fax) 773- 834-5250

Treasurer

ZHANG, Yuhong
Ctr Advanced Studies of Accelerators
Tofforcer Natl 2 Jefferson Natl Accelerator Facility (fax) 757-269-5024 12000 Jefferson Avenue, Suite 704 Newport News, VA 23606, USA

Membership Committee Chair

GENG, Rongli Jefferson National Lab 600 Kelvin Dr. Ste 8 Newport News, VA 23606, USA geng@jlab.org (tel) 757-269-7649 (fax) 757-269-7658

Membership Committee Vice Chair

BAO, Lei Department of Physics Ohio State University 191 W Woodruff Ave. Columbus, OH 43210-1117

lbao@mps.ohio-state.edu (tel) 614-292-2450 (tel) 614-292-2450 (fax) 614-292-7557

#### Status of Women in Physics Committee Chair

SUI, Manling Institute of Microstructure and Property of Advanced Materials Beijing University of Technology Beijing, 100124, P.R. China

mlsui@bjut.edu.cn (tel) 86-10-67396644 (fax) 86-10-67396644

#### Communication Committee Chair

CHEN, Jianping MS 12H3, Jefferson Lab 12000 Jefferson Ave., Suite 4 Newport News, VA 23606, USA

jpchen@jlab.org (tel) 757-269-7413 (fax) 757-269-5703

#### Communication Committee Vice Chair

Gao, Xuan Department of Physics Case Western Reserve University (fax) 216-368-4671 2076 Adelbert Road Cleveland, OH 44106, USA

xxg15@case.edu (tel) 216-368-4031

#### Awards Committee Chair

ZHONG, Dongping Physics Research Building 2142 Ohio State University 191 West Woodruff Avenue Columbus, OH 43210-1117, USA

zhong.28@osu.edu (tel) 614-292-3044 (fax) 614-292-7557

#### Immediate Past President

CHANG, Albert M. P. O. Box 90305 Duke University Durham, NC 27708, USA yingshe@phy.duke.edu (tel) 919-660-2596 (fax) 919-660-2525

### Councilor-at-Large:

CHANG, Albert M. (Duke U) CHANG, Ngee-Pong (CUNY) CHANG, Tu-Nan (USC) CHAO, Alex (Stanford Linear Accelerator) GAO, Haiyan (Duke and Duke Kunshan University) MOU, Chung-Yu (Tsinghua U, Taiwan) PHUA, Kok-Khoo (World Scientific Publ. Co., Nanyang NIT, NUS) PENG, Jen-Chieh (UIUC) WENG, Wu-Tsung (BNL) WANG, Yi-Fang (IHEP, China) YEH, Nai-Chang (Caltech) YOUNG, Bing-Lin (Iowa State U) YUAN, Chien-Peng (Michigan State U) ZHANG, Fu-Chun (KITS U. of Chinese Academy of Sciences)

Director of the OCPA Accelerator School ZHAO, Zhentang (Shanghai SINAP)

# B) OCPA Divisional Coordinators:

Accelerator Physics TANG, Jingyu (IHEP, Beijing) ZHAO, Zhentang (Shanghai SINAP)

Astronomy & Astrophysics KWOK, Sun (Hong Kong U) Atomic/Molecular/Optical Phys. CHIN, Cheng (U Chicago)

ZHAI, Hui (Tsinghua U, Beijing) DAI, Hai-Lung (Temple University) Chemical Physics Biological Physics ZHONG, Dongping (Ohio State U) LIN, Haiqing (CSRC, Beijing) & LIU, Feng (U. of Utah) Computational Physics

Condensed Matter ZHOU, Xingjiang (Inst. of Physics, CAS)

Gravitation & Cosmology CHEN, Yanbei (Caltech) LUK, Kam-Biu (UC Berkeley) High-energy Physics

Nuclear Physics HUANG, Jin (Brookhaven National Lab)

Plasma Physics LIN, Yu (Auburn U)

Science Education CHANG, Albert M. (Duke U) & BAO, Lei (Ohio State U)

Statistical/nonlinear Physics LI, Baowen (U. of Colorado)

### C) OCPA Regional Coordinators:

Mainland China: Soutern Region LU, Fang (Fudan U)

Northern Region GONG, Qihuang (PKU)

Hong Kong: ZHANG, Ruiqin (CityU HK)

KWEK, Leong Chuan (Nanyang Technological U) Singapore: Taiwan: LI, Hsiang-nan (Inst. Of Phys Academia Sinica)

Europe: BAI, Mei (Jülich, Germany)

Canada: GUO, Hong (McGill U)

QIU, Jianwei (Jefferson National Lab) East coast:

Southeast: NG, Yee Jack (U North Carolina, Chapel Hill)

Midwest: ZHU, Shaofei (Argonne)

West Coast: HUANG, Zhirong (Stanford Linear Accelerator)

### D) Short CV of the OCPA Officers, Councilors and Coordinators

# Bai, Mei (柏梅)

2009-present: Tenured scientist, Collider Accelerator Dept., Brookhaven National Lab. 2004-2009: scientist, Collider Accelerator Dept., Brookhaven National Lab.2001-2004: Associate scientist, Collider Accelerator Dept., Brookhaven National Lab. 1999-2001: Research Associate, Collider Accelerator Dept., Brookhaven National Lab. 2014- Director, Forschungszentrum Jülich Institute for Nuclear Physics. 2014 Ernest Orlando Lawrence Award.

### Bao, Lei (包雷)

Born in Nanjing, China. B.Sc./M.S., SouthEast University, Nanjing China (1993); Ph.D,, University of Maryland (1999); Postdoctoral Research Associate, Kansas State University (1999-2000); The Ohio State University, Assistant Professor (2000-2006), Associate Professor (2007-2011), Professor (2011-present). Research interests: learning theory, quantitative models of assessment,

cognitive modeling of conceptual change, development of scientific knowledge, skills and attitudes, development and applications of learning technologies and games.

# Chang, Albert M. (張绵福)

Albert M. Chang is currently Professor of Physics at Duke University. He held the position of Professor of Physics at Purdue University from 1997-2003, and Member of Technical Staff at Bell Laboratories from 1984-1997. Prof. Chang is a low temperature condensed matter experimentalist specializing in nanostructured devices and systems in reduced dimensions. His interests span a broad range of correlated electronic systems. These include one-dimensional aluminum superconducting nanowires with diameters as narrow as 6 nm (24 atoms), quantum transitions in quantum-dot Kondo spin systems, one-dimensional electron Wigner crystal-like and correlated states, and chiral Luttinger edge excitations and fractional charge/statistics in the fractional quantum Hall regime. Prof. Chang received his Ph.D. from Princeton University in 1983, his B.Sc. in Physics from the Massachusetts Institute of Technology in 1977, and is a Fellow of the American Physical Society.

### Chang, Ngee-Pong (章義朋)

Born '40 in Singapore. B.A., Ohio Wesleyan U, '59; Ph.D. Columbia U, '62; post-doc Columbia, '62; Member, Inst of Adv. Studies, Princeton, '63; Research Associate, Rockefeller U, '64; Visiting Prof, CCNY, '65; Full Prof, CUNY, '66 - now. Fellow, Japan Society for Promotion of Science, '74; Fellow, APS, '76; Member, Committee on International Scientific Affairs (CISA), APS, '94-96; CISA chair, '97; Founder, OCPA, '90; Chair, OCPA '91-92, '97-98; Dir. CCNY China-Exchange, '81 - now; Nanyang Professor, NTU, Singapore, 05-08. Senior Fellow, IAS-NTU. Specialty: Theoretical High-Energy Physics.

#### Chang, Tu-nan (張圖南)

Prof. Emeritus ('12-), Prof. & Chair ('97-'03), Dept. Phys & Astr, Univ. Southern California. APS Fellow ('89-); Fellow, Phys. Soc. ROC ('06-); B.Sc. Tunghai Univ. '66; Ph. D. UC Riverside '72; Postdoc, UC Riverside '72-'73, U. Chicago '73-'75; Faculty at USC '75-'12. President, OCPA '01-'02; President, Academic Senate, USC '94-'96; President, Chinese American Faculty Assoc. of Southern California '96-97; Director, National Center for Theoretical Sciences, Hsinchu, Taiwan '05-'06; Awards: Raubenheimer Distinguished Faculty Award for Excellence in Research, Teaching, and Service at USC; Achievement and Service Award, Chinese American Faculty Assoc. of Southern California; Service Award, OCPA '06; Research: Multi-electron interactions in atomic processes.

### Chao, Alexander W. (趙午)

B.Sc. '70, Tsing-Hua Univ., Hsin-Chu, Taiwan; Ph.D. '74, State Univ. of New York at Stony Brook; Postdoc, staff, beam dynamics group leader, 1974-84, SLAC National Accelerator Laboratory; Accelerator Physics Division head 1984-89, SSC Central Design Group; Accel. Phys. Group leader and Asso. Project Manager 1989-93, SSC Laboratory; Professor 1994-, Stanford University. Fellow, American Physical Society; Chair, APS Division of Physics of Beams, 1998-2000; Academician, Academia Sinica, 2002; EPS Wideroe Prize, 2008.

### Chen, Jian-ping (陈剑平)

Senior Staff Scientist, Jefferson Lab, 2011-present; Staff Scientist, 1994-2011; Research Staff, MIT, 1992-1994; Postdoc, U. Virginia, 1990-1992; Ph.D., U. Virginia, 1990; B.Sc., USTC, 1982. APS Fellow. Guest Professor, USTC, 2004-present; Guest Professor, CIAE, 2012-present; Guest Professor, IMP, 2013-present; Adjunct Professor, ODU, 1997-2000; Adjunct Associate Professor,

KSU.,1997-2000; Spokesperson of JLab experiments. Research interests: nucleon structure, spin physics, nuclear medium effects and test of the Standard Model.

#### Chen, Yanbei (陈雁北)

Prof. ('13-present), Assoc. Prof. ('10-'13), Assist. Prof. ('07-'10), Caltech. B.Sc. Peking U. '99; Ph.D. Caltech '03; Postdoc, Caltech '03-'04; Staff Scientist, Max Planck Inst. for Gravitational Physics, '04-'08. Award: Sofja Kovalevskaya Award of the Alexander von Humboldt Foundation ('04). Research: Gravitational Physics.

### Chin, Cheng (金政)

Professor of Physics, James Franck institute and Enrico Fermi institute, University of Chicago. Education: B.Sc. Physics, National Taiwan University (1993) Ph.D. Physics, Stanford University (2001). Visiting Scientist/Professor: Innsbruck University (2003), ETH Zurich (2005, 2014), Rice University (2013), MIT (2013), Institute of Atomic and Molecular Science, Academic Sinica (2013), University of Ulm (2014), University of Munich (2014), Max-Planck institute for Quantum Optics (2014), JILA (2015). Honors: Lise-Meitner Research Fellow, Austrian Science Fund (2003); Outstanding Young Researcher Award, Oversea Chinese Physics Association (2006); Alfred P. Sloan Research Fellow (2006); David and Lucile Packard Fellow (2006); CAREER award, National Science Foundation (2008); Young Scientist Prize in Atomic, Molecular and Optical Physics, International Union of Pure and Applied Physics (2008); I.I. Rabi Prize, American Physical Society (2011); Alexander von Humboldt Research Fellow (2014); American Physical Society Fellow (2014); High-Cited Researcher, Thomson Reuters (2014); Distinguished Alumni Award, Physics Department, National Taiwan University (2014).

Research: Laser cooling and trapping, Bose condensate and degenerate Fermi gas, Feshbach resonance, Efimov physics, quantum criticality, quantum simulation and quantum information.

#### Dai, Hai-Lung (戴海龍)

Provost and Senior Vice President for Academic Affairs, Laura H. Carnell Prof., Temple Univ. ('07-'16); Hirschmann-Makineni Professor ('02-'07) and Chair ('96-'02) of Dept. Chem. U. Pennsylvania ('84-'06).

B.Sc., National Taiwan Univ. ('74); Ph.D., U. California Berkeley ('81);
Postdoc MIT ('81-'84). Fellow, APS; Chair ('05) of Div. of Chem. Phys., APS; Fellow, Am. Chem.Soc.; Sloan Fellow ('88); Dreyfus Teacher Scholar ('89); Coblentz Award in Spectroscopy ('90); Morino Lecturer Japan ('92); Humboldt Award for US Senior Scientists Germany ('94); Am. Chem. Soc. Philadelphia Sec. Award ('95); Guggenheim Fellow ('00); Lippincott Award, Optical Soc. Am.('06); Achievement Award, Chinese Inst. Engineers NY ('09); Langmuir Lecturer Award, Am. Chem. Soc. ('12); Malone Int. Leadership Award, Assoc. Public and Land-Grant Universities ('13); Research: molecular dynamics and spectroscopy; surface and colloidal sciences; biophysical chemistry.

#### Gao, Haiyan (高海燕)

Born in Shanghai, China, B.Sc., Tsinghua University, Beijing, China (1988); Ph.D., California Institute of Technology (1994); Postdoctoral Research Associate, University of Illinois, Urbana-Champaign (1994 - 1996); Assistant Physicist, Argonne National Laboratory (1996 - 1997); MIT, Assistant Professor (1997-2002), Associate Professor (2002-2004); Duke University, Associate Professor (2002-2008), Professor (2008-2012), Henry Newson Professor of Physics (2012 - present), Associate Chair (2006 - 2009), Chair (2011- 2014), Dept. of Physics; Vice Chancellor for Academic Affairs (2015 - ), Duke Kunshan University. Awards and Honor: OJI Award, U.S. Department of Energy (2000); Outstanding Overseas Young Scholar Collaborative Award, National Natural Science Foundation of China (2005); APS Fellow (2007); ChangJiang Scholar Chair Professor,

Tsinghua University (2009-2012); National Thousand Talent Plan Professor at Tsinghua University (2012 - ); Overseas Chinese Returnees Contribution Award for Innovative Talent,  $\hat{A}$  the All-China Federation of Returned Overseas Chinese (2016).  $\hat{A}$   $\hat{A}$  Research interests: structure of the nucleon, QCD exotic states, fundamental symmetry studies, and development of polarized gas targets.

### Gao, Xuan (高翾)

Born in JiangXi, P.R. China 1978; B.Sc., South China Univ. of Technology 1998; Ph.D., Columbia Univ. 2003; Faculty, Dept. of Physics, Case Western Reserve Univ., 2007-present; Life member of APS, OCPA; 2012 OCPA Outstanding Young Researcher Award (Macronix Prize); 2012 NSF CAREER Award; 2013 Lee Hsun Young Scientist Award Lectureship, Institute of Metal Research, Chinese Academy of Sciences. Specialty: Experimental condensed matter physics, nanoscience.

## Geng, Rongli ((耿荣礼)

Born '68 in China. B.Sc. '91, Peking University; Ph.D. '96, Peking University; Visiting scientist, Laboratory of Nuclear Studies, Cornell University, 1997-2000; Research associate, Laboratory for Elementary Particle Physics, Cornell University, 2000-2007; Staff scientist, Thomas Jefferson National Accelerator Facility, 2007-2012; Senior staff scientist, Thomas Jefferson National Accelerator Facility, 2012-; Cavity group leader, ILC/GDE, 2009-2013; Visiting professor, Peking University, 2009-2012; Visiting professor, Institute of Modern Physics, Chinese Academy of Sciences, 2012-2015.

## Gong, Qihuang (龚旗煌)

Cheung Kong Professor of Physics at Peking University, China, where he is also the Founding Director of the Institute of Modern Optics and Deputy Dean of Physics School. In addition, Prof. Gong serves as Director of the State Key Laboratory for Mesoscopic Physics. His current research interests are in ultrafast optics, nonlinear optics, and mesoscopic optical devices for applications. He has received the State Natural Science Award (2nd-Class), the Chinese Physical Society's Rao Yutai Prize, and the Wang Daheng Science and Technology Prize given by the Chinese Optics Society. He is the Member of Chinese Academy of Sciences, Fellow of OSA and Fellow of IoP.

#### Guo, Hong (郭鸿)

B.Sc. Sichuan Normal Univ., China, 77-80; M.Sc., Univ. of Pittsburgh, 81-83; Ph.D, Univ. of Pittsburgh, 83-86. Assistant, Associate and full Professor at Department of Physics, McGill University since 1990. James McGill Chair Professor of Physics, 2004-present. Main Research: condensed matter theory, quantum transport theory, first principles calculations, materials theory and computational physics. Director, Center for the Physics of Materials, McGill Univ., 2004-2009. Killam Research Fellowship Award, Canadian Council for Arts, 2004-2006; Brockhouse Medal of Canadian Association of Physicists, 2006; CAPCRM Prize for Theoretical and Mathematical Physics, 2009. APS Fellow; Fellow of Royal Society of Canada.

# Huang, Jin (黄进)

Physicist, Brookhaven National Laboratory, 2014-present. B.Sc. University of Science and Technology of China, 2006; Ph.D. Massachusetts Institute of Technology, 2012; Postdoc, Los Alamos National Laboratory, 2012-2013. Award: Dissertation Award by the Hadronic Physics Group of the American Physical Society, 2013. Service: Speakers' Bureau and Executive Committee for PHENIX Â Collaboration; L3 manager and Co-convener for PHENIX.

# Huang, Zhirong (黄志戎)

Born in Beijing China. B.Sc. '92, Caltech; Ph.D. '98, Stanford University. Staff physicist, Advanced Photon Source, Argonne National Laboratory, 1998-2002; Staff and Senior staff physicist, Beam Physics Department, SLAC National Accelerator Laboratory 2002-2012; Associate Professor of SLAC, Stanford University, 2013-present. APS Outstanding Doctoral Thesis Research Award in Beam Physics, 1999; USPAS prize for achievement in accelerator physics and technology, 2011. International Free Electron Laser Prize, 2014. APS fellow, 2015.

### Kwek, Leong Chuan (郭龙泉)

Principal Investigator, Center for Quantum Technology, National University of Singapore 9since 2007); Deputy Director, Institute of Advanced Studies, Nanyang Technological University (since 2005); Associate Professor of Physics, National Institute of Education, Nanyang Technological University (since 1999). EDUCATION: B.Sc. Joint Physics and Mathematics, Otago University (1984); Diploma in Education, University of Singapore (1985); M.Sc., Physics, National University of Singapore (1995); Ph.D. Physics, National University of Singapore (1999); Visiting Professor, Cambridge University (2004). HONORS & AWARDS: National Science Award (2006); Institute of Physics Singapore Premier Research Award (2006); Fellow, American Association for the Advancement of Science (2009); Fellow, Institute of Physics (UK) (2009). RESEARCH: Quantum Information Science, particularly in measurement based quantum computing, many-body entanglement, foundation of quantum mechanics, circuit quantum electrodynamics, photon-matter interaction (through one-dimensional waveguides), opto-mechanical systems, quantum optics and quantum simulators.

#### Kwok, Sun (郭新)

Prof. Kwok is a Chair Professor of Space Science and Director of the Laboratory for Space Research at the University of Hong Kong. Between 2006 and 2016, he served as Dean of Science at The University of Hong Kong, and before that as Faculty Professor of the University of Calgary in Calgary, Canada, and Director and Distinguished Research Fellow of the Institute of Astronomy and Astrophysics of Academia Sinica of Taiwan. Prof. Kwok is the author of over 350 papers in professional journals. He has also written a number of books, including Origin and Evolution of Planetary Nebulae (Cambridge, 2000), Cosmic Butterflies (Cambridge, 2001), and Physics and Chemistry of the Interstellar Medium, (University Science Books, 2006), Organic Matter in the Universe (Wiley, 2011) and Stardust: the cosmic seeds of life (Springer, 2013). Prof. Sun Kwok is the current President of Commission F3 Astrobiology of the International Astronomical Union (IAU). Previously, he has served as President of Commission 34 (interstellar Matter), as well as the chairman of IAU Planetary Nebulae Working Group between 1994 and 2001.

#### Li, Baowen (李保文)

Prof. Li is a Rennie Family Endowed Professor in Mechanical Engineering at University of Colorado, Boulder. He is also National Professor of 1,000 talent plan since 2012, and founding director for Center of Phononics and Thermal Engineering Science, Tongji University, founding director of China-EU Joint Lab on nanophononics. 2014/2015 Russell Severance Springer Professor at UC Berkeley, 2013 APS Fellow, 2007 World Scientific Medal and Prize; 2005 OCPA Achievement in Asia Award; 2005 Nat'l Sci. Award, Singapore; 2004 Temasek Young Investigator Award; 2003 National University of Singapore Young Researcher Award;

Prof. Li has authored and co-authored more than 290 papers in professional journals. His research covers phononics, topological phonons, heat transfer in nanoscale, thermoelectrics, nonlinear & statistical physics, complex networks.

### Li, Hsiang-nan (李湘楠)

Born in Kaohsiung, Taiwan; B.Sc., National Taiwan Univ., 1986, Ph.D., State Univ. of New York at Stony Brook, 1992; Postdoc, Academia Sinica, Taiwan, 1992-1993; Associated Prof., National Chung-Cheng Univ., Taiwan, 1993-1996; Prof., National Chung-Cheng Univ., Taiwan, 1996-1997; Prof., National Cheng-Kung Univ., Taiwan, 1997-2001; Research Fellow, Academia Sinica, Taiwan, 2001-2016; Distinguished Research Fellow, Academia Sinica, Taiwan, 2016-. Research Interests: Perturbative QCD, Heavy Flavor Physics.

### Lin, Haiqing (林海青)

Currently, Professor, Beijing Computational Science Research Center; EDUCATION: B.S., University of Science & Technology of China 1981; M.S., Iowa State University, 1983; Ph.D., Univ. of California, San Diego, 1987; Professor/Director, Beijing Computational Science Research Center, Aug. 2009-. Professor, Chinese Univ. of Hong Kong, Jan. 2002-Jul. 2012; Associate Prof., Chinese Univ. of Hong Kong, Aug. 1995-Dec. 2001; Research Asst. Prof., UIUC, Oct. 1991-July 1995; Research Associate, CNLS, Los Alamos National Lab., Oct. 1989-Oct. 1991; Research Associate, Phys. Dept., Brookhaven National Lab., Oct. 1987-Sep. 1989.

HONORS & AWARDS: Fellow, American Physical Society, 2003; Distinguished Young Scientists Fund, Chinese National Science Foundation, 2003; President of Physical Society of Hong Kong, 2007-2009; Managing Editor, International Journal of Modern Physics C, since Jan 2007; Associate Editor, Communication in Computational Physics, since Jan 2005.

RESEARCH: Condensed Matter Theory and Computational Physics. Theoretical studies on many-body problems, such as applying quantum Monte Carlo methods to strong correlated models and applying quantum information approaches to quantum phase transitions. Develop numerical techniques for simulation of physical systems, such as numerical solving Maxwell equations to investigate plasmonic properties of nanostructures.

#### Lin, Yu (林郁)

APS Fellow; Alumni Professor; Changjiang Scholar Chair Professor. Born '64 in Beijing. B.Sc., Peking Univ. '85; MS, Chinese Academy of Science, '88; Ph.D. Space Phys. University of Alaska Fairbanks '93. Assistant Professor '94-99, Associate Professor '99-03, Professor since 2003, Physics Department, Auburn University. Award: Katherine E. Weimer Award for outstanding achievement in plasma science research by a woman physicist in early years of her career, APS-DPP. Specialty, space plasma physics, magnetospheric physics, magnetic reconnection, nonlinear waves, collisionless shocks, and boundary layers.

# Liu, Feng (刘锋)

Education: B.Sc. Materials Science, Tsinghua University, Beijing (1984), M.S. Solid State Physics, Tsinghua University, Beijing (1986), Ph.D. Chemical Physics, Virginia Commonwealth University (1990);

Appointments: Chair of Dept of MSE, (2011 - present); Professor, (2007 - present), Associate Professor (2003 - 2007), Assistant Professor (2000-2003), University of Utah, Department of MS&E; Director, University of Utah, Center for Computational Design of Nanomaterials and Nanodevice (2002 - 2007); Research Scientist Univ. of Wisconsin-Madison, Department of MS&E (1995 - 2000). Postdocs: Oak Ridge National Lab, Solid State Division (1993 - 1995); Rutgers University, Department of Ceramics (1991 - 1993). Honors & Awards: 2011, APS Fellow; 2008, Senior Humboldt Research Award; 2007, Australia Research Council International Professorial Fellow; 1999, Outstanding Overseas Young Scientist, National Science Foundation of China; Research: Computational Materials Physics, 210+ publications including 50+ in Physical Review Letters. Prof. Liu is a Professor and Chair of Department of Materials Science and Engineering at University of Utah. He is currently serving as Divisional

Associate Editor of Physical Review Letters. Prof. Liu is Fellow of American Physical Society. Prof. Liu's research interests lie in computational materials physics and condensed matter theories. He is the author of over 250 papers in refereed journals.

### Lu, Fang (陆昉)

Prof. of Physics, Vice President of Fudan (since 2011).

Education: Master'S degree, Microelectrons, Fudan University (1982); Ph.D,
Condensed matter physics, Fudan (1995). Faculty at Fudan since 1982; visiting
scholar, State University of New York at Albany (1986-1988); Institute for
Materials Research, Tohoku University, Japan (1996-1998).
Chair, Physics, Fudan, 2000-2006; Dean of academic administration and
President's Assistant (2009-2011); Vice President of Fudan (since 2011)
General secretary of Shanghai Physical Society 2004-2008, Vice Chairman of
Shanghai Physical Society since 2009.

# Luk, Kam-Biu (陸錦標)

B.Sc., University of Hong Kong, 1976; Ph. D. Rutgers University, 1983; Postdoc, University of Washington, Seattle, 1983-1986. Wilson Fellow, Fermilab, 1986-1989; Professor of Physics, University of California, Berkeley, 1988-present. Assistant Dean of the Undergraduate Office, College of Letters and Science, UC Berkeley, 2002-2003; Vice Chair of Instruction, Physics Department, UC 2006-2007; Regional Secretary of the Universities Research Berkeley, Association, Fermilab, 2001-2011; Division Coordinator of High-energy Physics, OCPA, 2005-present. Outstanding Junior Investigator, US Department of Energy, 1989-1991; Alfred P. Sloan Fellow, 1990-1994; APS Fellow, 1997-present; Miller Professor, 2001; Changjiang Scholar Chair Professor, Tsinghua University, 2007-2010; Hung Hing Ying Distinguished Visiting Professor in Science, University of Hong Kong, 2011-present; Senior visiting fellow of Jockey Club Institute for Advanced Study, Hong Kong University of Science and Technology, 2015-present; co-recipient of APS Panofsky Prize, 2014; co-recipient of Breakthrough Prize in Fundamental Physics, 2016. Research interest: experimental particle physics and cosmology.

# Mou, Chung-Yu (牟中瑜)

Phys. Div. head ('07-'09), NCTS at Taiwan; Prof. ('02-), Dept. Phys,, National Tsing Hua Univ. Taiwan. Director, Physics Promotion Center, Taiwan, '06- '07. '10-; B.Sc. Natl. Taiwan U. '86; Ph. D. Caltech '93; Postdoc, Univ. of Virginia '93- '95. Associate Prof., Dept. Phys., National Chung-Cheng Univ., '95- '96; Faculty at National. Tsing Hua Univ, Taiwan since '96. Awards: NSC outstanding research awards in Taiwan, '08. Research: Protein folding problem; superconductivity; and strongly correlated electronic systems.

#### Ng, Yee Jack (吴汝哲)

B.A., Univ. California Berkeley; Ph.D. Harvard Univ. Research Associate: Inst. for Advanced Study, Princeton; SLAC, Stanford. Alfred P. Sloan Fellow. University favorite faculty award ('00, '02); "R&D star to watch", Industry Week magazine ('01); University-wide Teaching Award ('06). Director, Julian Schwinger Foundation for Physics Research. Present Position: Kenan Professor of Physics, Univ. of North Carolina, Chapel Hill. Research interests: theoretical particle physics, field theory, gravitation and cosmology, statistical physics.

# Peng, Jen-Chieh (彭仁傑)

Prof. of Physics, Univ. of Illinois at Urbana-Champaign. Born in Guangdong, China '49; B.Sc., Tunghai Univ. 1970; Ph.D, Univ. of Pittsburgh, '75; Prof. of Physics, Univ. of Illinois 2002-present; Los Alamos National Lab 1978-2001. Laboratory Fellow, Los Alamos National Lab, 1996; APS Fellow, 1993. Research interest: Experimental nuclear and particle physics.

## Phua, Kok Khoo (潘国驹)

Dr. K.K. Phua is the Founding Director of the Institute of Advanced Studies at Nanyang Technological University (NTU), Adjunct Professor of Department of Physics at National University of Singapore (NUS) and Chairman and Editor-in-Chief of World Scientific Publishing Co Pte Ltd.

K.K. Phua got DIC from Imperial College, London University and Ph.D. in Mathematical Physics from Birmingham University, United Kingdom. He was awarded an Honorary Doctor of Science by Birmingham University (2013) for outstanding contribution to physics and scientific publishing. As a theoretical high-energy physicist he did some interesting and useful work in particle physics, particularly in the field of phenomenology in high-energy collisions.

He is the Founding President of the South East Asia Theoretical Physics Association (SEATPA). Together with Nobel Laureate Professor C. N. Yang and other senior physicist, he is one of the founding council members of the Association of Asia-Pacific Physical Society (AAPPS).

K.K. Phua is an Advisory Board Member of Singapore-China Association for Advanced Science & Technology. He was elected as a Fellow of the American Physical Society (APS) for his contributions to research and education in physics in 2009, he became a Fellow of the Singapore National Academy of Science (2014), and was also awarded the IPS President's Award by the institute of Physics Singapore (IPS) Council, for his outstanding contributions to physics research and education in Singapore in 2006. He is an Honorary Professor at Nankai University and also holding a number of honorary professorships in China. He is currently Secretary General, IUPAP Singapore office, and the SiYuan Guest Professor (2014) at the University of Nottingham at Ningbo China.

### Qiu, Jian-Wei (邱建伟)

Associate Director of Jefferson Lab (JLab) for Theoretical and Computational Physics and JLab Theory Center Director (2016-now). APS Fellow; Member-at-Large, GHP, APS (2012-2014). M.A. 1983, M.Ph.1984, Ph.D. 1987 Columbia University. Postdoc, Argonne Nat'l Lab (1987-1989), Stony Brook University (1989-1991). Faculty at Iowa State University (1991-2012); Senior Physicist, Brookhaven National Lab (2010-2016); Brookhaven Professor, Stony Brook University (2010-2016). SSC Fellow (1990); Outstanding Junior Investigator Award, DOE (1992); Outstanding Professor Award for Teaching Excellence in Graduate Physics, ISU (1999); Outstanding Career Achievement in Research Award, LAS-ISU (2009). Research: Theoretical high-energy particle and nuclear physics.

#### Sui, Manling (隋曼龄)

B.Sc. (1985) in Physics, Northeastern University, Shenyang, China; Master (1988) & Ph.D. (1991) in Materials Physics, Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China. Assistant Professor (1991-1994) and Associated Professor (1994-1998), Northeastern University, China; Professor, Institute of Metal Research, Chinese Academy of Sciences (1998-2009); Professor and Cheung Kong Scholar, Beijing University of Technology, China (2009-now); Member of the executive council of the Chinese Physical Society (2007-now), the organizing committee of the CPS Fall Meeting (2004-now), the evaluation committee of Xie Xide Prize, Chinese Physical Society (2007-now); Chair of the commission on Women in Physics, CPS (2011-now); Member of IUPAP working group 5: Women in Physics (2010-now). Research interest: Experimental condense matter physics, in situ electron microscopy for structure and property relationship in advanced materials.

### Tang, Jingyu (唐靖宇)

Professor, IHEP, CAS and UCAS. Education: B.Sc. in Physics, USTC (79-84); M.Sc. and Ph.D., IMP-CAS (84-90). Experience: GANIL, Caen, France (89-90); MEDICYC-CAL, Nice, France (90-93); IMP-CAS, Lanzhou (93-01), professor (97); FZJ, Juelich, Germany, guest scientist (01-04); IHEP-CAS, Beijing, professor (04~). Before 2001, cyclotrons and heavy ion accelerators; after 2001, high-power or high-energy proton accelerators (ESS, CSNS, China-ADS, MOMENT, SPPC). Research: accelerator physics and technology, beam applications; project director of CSNS Back-n white neutron source, coordinator of SPPC accelerators and MOMENT study; collaboration: LBNF, MICE.

### Wang, Yi-Fang (王贻芳)

Prof.(since '01) & Deputy Director('05-'11) & Director(since '11), IHEP.

B.Sc. Nanjing Univ. '84; Ph.D. Florence Univ. '91. Research staff:

INFN ('91-'92); MIT ('92-'96); Stanford Uni.('96-'01). ACFA member since '07;

ICFA member since '11. Awards: 2014 APS Panofsky Prize, Zhou Guangzhou prize.

2016 Breakthrough Prize in Fundamental Physics. Research: experimental particle physics, currently BESIII, Daya Bay and JUNO experiments.

### Weng, Wu-Tsung Bill (翁武忠)

Born '44 in Taiwan. B.Sc. EE, Taiwan Univ. '66; MS, Tsing Hua Univ, '68; Ph.D. Phys. SBU '74; Post-doc, U of Arizona '74-76. Accelerator physicist, BNL '77-83; SLAC '83-87; Senior Physicist at BNL since '87. Booster Project Head, '87-90; Accelerator Division Head, '90-94; Chair of PAS&T Committee of NPSS/IEEE, '90-'94; Chair of PAC Conf. '99; Senior Team Leader of SNS Project Ring system, '96-'02; Head of Center of Accelerator Physics, '02-07; President, OCPA, 07-09; Program Manager(IPA) at HEP/DOE, '07-10. Y. T. Lee Foundation Scholarship Award, '95; NY Distinguished Asian American Award, '14; APS Fellow, IEEE Fellow. Specialty: accelerator physics, nonlinear dynamics, space charge effect, high power proton accelerators.

## Xu, Nu (许怒)

B.Sc., Department of Physics, University of Science and Technology of China (1982); Ph.D., Department of Physics, State University of New York at Stony Brook (1990). Postdoctoral Fellow, State University of New York at Stony Brook (1990); Director Fellow, Los Alamos National Laboratory (1994); Divisional Fellow, Lawrence Berkeley National Laboratory (1997); Senior Scientist, Lawrence Berkeley National Laboratory (2001-). Fellow, Institute of Physics, UK (2004); Fellow, American Physical Society (2009). Spokesperson, STAR Experiment at RHIC, Brookhaven National Laboratory (2008-2014); Dean, College of Physical Science and Technology, Central China Normal University (2010-). Research: Experimental study of QCD phase structure and high-energy nuclear collisions.

#### Yeh, Nai-Chang (葉乃裳)

Professor of Physics (since 1997) and Fletcher Jones Foundation Co-Director of the Kavli Nanoscience Institute (since 2013), California Institute of Technology. EDUCATION: B.Sc. Physics, National Taiwan University (1983); Ph.D. Physics, Massachusetts Institute of Technology (1988); Visiting Scientist, IBM Watson Research Center (1988-1989). HONORS & AWARDS: Eminent Visiting Professor, Universiti Brunei Darussalam (UBD), Brunei (2014-2015); Wu Chien-Shiung Distinguished Lectureship (吳健雄講座), National Central University, Taiwan (2012); CNMM Chair Professorship, Tsinghua University, China (2012-2014); Fellow, American Association for the Advancement of Science (2007); Fellow, American Physical Society (2004); Distinguished Alumni Award, Physics Department, National Taiwan University (2003); Achievement Award, Chinese-American Faculty Association, Southern California (2001); Fellow and

Chartered Physicist, Institute of Physics, UK (2001); Outstanding Young Researcher Award, Overseas Chinese Physics Association (1998); David and Lucile Packard Fellowship for Sciences and Engineering, (1992-1997); Sloan Research Fellowship, (1990-1992); Luise Meyer-Schutzmeister Memorial Award, (1986). RESEARCH: Experimental condensed matter physics, including correlated electronic systems such as high-temperature superconductors and novel magnetic materials; low-dimensional materials such as graphene, carbon nanotubes, and nanowires; topological matter such as topological insulators/superconductors; spintronics; nanoscience and nanotechnology; and energy research in photovoltaic cells and fuel cells.

### Young, Bing-Lin (楊炳麟)

B.Sc. National Taiwan Univ, 1959; Ph.D. Univ of Minnesota, 1966; Research Associate, Indiana Univ and Brookhaven National Lab., 1996-70; Assistant to Full Professor, Iowa State Univ. 1970 - 2004, 2004-present Emeritus; OCPA: 1991-92; Chair, 1993-94; Member of the Executive Council 1995-2000, Councilorat-Large 2001-present.

### Yuan, Chien-Peng (袁簡鵬)

Born in Taiwan, '58; B.Sc., National Taiwan Normal Univ. '80; Ph.D., Univ. of Michigan, '88. Faculty, Michigan State Univ., '92-present; Member of CTEQ Collaboration, '92-present; APS Fellow, 2013; OCPA: Secretary, 2004-05; Vice Chair, 2006-08; Chair, 2009-2010. Specialty: Theoretical high energy physics.

### Zhai, Hui (翟荟)

Currently Professor in Institute for Advanced Study in Tsinghua University. B.Sc. '02 Tsinghua University; Ph. D, '05, Tsinghua University; Postdoc, Ohio-State University, 2005-2007; Postdoc, Berkeley, 2007-2009; Member, Institute for Advanced Study, 2009-2012; Tenured Member, 2012-2015, Full Professor since 2015; The National Science Fund for Distinguished Young Scholars 2013. Research focus on theoretical cold atom physics and advanced topics in condensed matter physics.

#### Zhang, Fu-Chun (張富春)

Born '46 in Hangzhou, China. Graduated, Phys., Fudan Univ. '68; Ph.D. Phys., Virginia Tech. '83; Postdoct, U. of Minnesota '83-84; U of Maryland '84-86; ETH-Zurich '86-88. Prof. U. of Cincinnati '88-06; Chair Prof. of Phys., HKU, '03-'14. Zhou Guangzhao Prof. of Natural Sci., HKU, '11-'14; 1000-plan and Prof., Phys. Dept., Zhejiang U, '14-'16; Director, Kavli Inst for Theo. Sci, U. of CAS, '17-present. APS Fellow, '99; Univ. Distinguished Research Prof, Cincinnati '02; Distinguished Research Achievement Award, HKU, '05. Director, Center of Theo. & Computational Phys., HKU, '05-'10; Head, Phys. Dept, HKU, '05-'12; Coordinator of Condensed Matter Division, OCPA, '02-03; Div. Assoc. Editor, PRL, '07-'09; Co-editor of EPL, '07-'10; Sci. Council Member, APCTP, '08-'16; Member, Advisory Sci Board, MPI for Chem. Phys. of Solids, Dresden, Germany, '12-'16. Kavli Institute of Theoretical Sciences, University of the Chinese Academy of Sciences, '16-.

#### Zhang, Rui Qin (張瑞勤)

Professor of Physics, City University of Hong Kong (since 2010). EDUCATION: B.Sc. Physics, Shandong University (1983); Ph.D. Physical Chemistry, Shandong University (1992). HONORS & AWARDS: Third-class State Natural Science Award of China (1997); First-class Award of Scientific and Technological Development of China (1997); Friedrich Wilhelm Bessel Research Award of the Alexander von Humboldt Foundation (2004); Second-class State Natural Science Award of China (2005); Visiting Professorship, Université Pierre & Marie Curie-Paris 6 (2014). RESEARCH: Computational physics, condensed matter physics, surface science, nanoscience and nanotechnology, materials chemistry, and materials physics,

with recent focus on interactions of nanomaterials with chemical and biological systems aiming to promote the applications of nanostructured materials in energy-related, chemical, biological, medical, and environmental areas. He has also experiences in developing related theories and methods. Current President, Hong Kong Physical Society.

# Zhang, Yuhong (张裕宏)

B.Sc., Fudan Univ., 1983; MS., Univ. of Houston, 1985; Ph.D, Univ. of Maryland, 1990; Forgety postdoc fellow, NRC fellow and computational chemist, NIH/FDA, 1990 - 1998; Senior research associate, American Chemical Society, 1999 - 2000; Staff scientist II, III and senior scientist, Jefferson Lab, 2001 to present; Accelerator R&D group leader, Jefferson Lab, 2014 to present; head of Jefferson Lab electron-ion collider accelerator design, Jefferson Lab, 2008 to present; Research: accelerator and collider.

### Zhao, Zhentang (赵振堂)

B.Sc. 1983, Tsinghua Univ., Beijing; Ph.D. 1990, Tsinghua Univ., Beijing; Postdoc, staff, Storage Ring Division Head and Assistant Director of IHEP CAS, 1990 - 1998; Visiting Scientist at CERN 1995-1996; Deputy Project Director of SSRF 1998 - 2010; Staff, Deputy Director and Director of Shanghai Institute of Applied Physics (SINAP) CAS from 2000; Currently, Chief Scientist for the 973 FEL program and the SXFEL project, President of Shanghai Nuclear Society from 2010, Vice President of Particle Accelerator Society of China, and member of ACFA.

# Zhong, Dongping (仲冬平)

Robert Smith Professor of Physics, Dept. Phys, Ohio State Univ.; B.S. Huazhong University of Science and Technology (HUST) '85; Ph. D. Caltech '99; Postdoc, Caltech '99-'02; Faculty at Ohio State Univ. since '02. APS fellow; AAAS fellow. Awards: Guggenheim fellowship; OYRA; Camille Dreyfus Teacher-Scholar Award; NSF CAREER award; Sloan Research Fellowship; Packard Fellowship; Milton and Francis Clauser Doctoral Prize; The Herbert Newby McCoy Award; Research Interest: Biophysics (biological dynamics).

### ZHOU, Xing-Jiang (周兴江)

Professor of Physics, Institute of Physics, Chinese Academy of Sciences, Beijing (since 2004). EDUCATION: B.Sc. Chemistry and Chemical Engineering, Tsinghua University (1988); Master, Materials Science and Engineering, Tsinghua University (1990); Ph.D. Physics, Institute of Physics, Chinese Academy of Sciences (1994); Humboldt Research Fellow, Max-Planck-Institut Festkorperforschung, Stuttgart, Germany (1994-1997). EXPERIENCES: Physicist and Beamline Scientist, Stanford University and Lawrence Berkeley National Lab (1997-2006); Director, National Lab for Superconductivity, Institute of Physics, Chinese Academy of Sciences (2009-present). HONORS & AWARDS: TWAS Prize in Physics, World Academy of Sciences for the Advancement of Science in Developing Countries (2015); 2nd Prize in National Natural Science Award (2015); Achievement in Asia Award (Robert T. POE Prize), International Organization of Chinese Physicists and Astronomers (2014); Hu Gangfu Award, Chinese Physical Society (2009); Zhou Guangzhao Award for "Outstanding Youth in Basic Science", Zhou Guangzhao Foundation (2008); Outstanding Youth Award, National Science Foundation of China (2005); David A. Shirley Award, Lawrence Berkeley National Lab (2003). RESEARCH: Experimental condensed matter physics, particularly in development of laser-based photoemission systems and study of high-temperature copper-oxide superconductors, the Fe-based superconductors, and other quantum and topological materials.

### ZHU, Shaofei (朱少飞)

B.Sc. 1992 University of Science and Technology, Hefei; Ph.D. 2004 University of Notre Dame; 2012-present Physicist, Physics Division, Argonne National Laboratory; 2007-2012 Assistant Physicist, Physics Division, Argonne National Laboratory; 2006-2007 Postdoctoral Fellow, Nuclear Engineering Division, Argonne National Laboratory; 2004-2006 Postdoctoral Fellow, Physics Division, Argonne National Laboratory; 1997-1998 Research Associate, Institute of Modern Physics, China 1992-1997 Research Assistant, Institute of Modern Physics, China. Research interests: Nuclear Structure of Exotic Nuclei, Nuclear Structure at High Spin, Gamma-ray Detection.

#### E) E-mail addresses:

Mei Bai m.bai@fz-juelich.de Lei Bao lbao@mps.ohio-state.edu Albert Chang yingshe@phy.duke.edu npccc@sci.ccny.cuny.edu Ngee-Pong Chang Tu-Nan Chang tnchang@usc.edu Alexander Chao ACHAO@SLAC.Stanford.EDU

Jian-Ping Chen jpchen@jlab.org

Yanbei Chen yanbei@tapir.caltech.edu Cheng Chin cchin@uchicago.edu Hai-Lung Dai hldai@temple.edu

gao@phy.duke.edu Haiyan Gao Xuan Gao xxg15@case.edu Rongli Geng geng@jlab.org Qihuang Gong qhgong@pku.edu.cn Hong Guo quo@physics.mcgill.ca Jin Huang

jhuang@bnl.gov

Zhirong Huang zrh@slac.stanford.edu Leong Chuan Kwek kwekleongchuan@nus.edu.sg

Sun Kwok sunkwok@hku.hk

Baowen.Li@Colorado.edu Baowen Li Hsiang-nan Li hnli@phys.sinica.edu.tw Haiqing Lin haiqing0@csrc.ac.cn Yu Lin ylin@physics.auburn.edu

Feng Liu fliu@eng.utah.edu Fang Lu fanglu@fudan.edu.cn

Kam-Biu Luk k luk@lbl.gov

Chung-Yu Mou mou@phys.nthu.edu.tw Yee Jack Ng yjng@physics.unc.edu Jen-Chieh Peng jcpeng@uiuc.edu kkphua@wspc.com.sg Kok-Khoo Phua Jianwei Oiu jqiu@jlab.org Manling Sui mlsui@bjut.edu.cn Jingyu Tang tangjy@ihep.ac.cn

Yifang Wang yfwang@ihep.ac.cn Wu-Tsung Weng weng@bnl.gov Nu Xu NXu@lbl.gov Nai-Chang Yeh ncyeh@calteh.edu

Bing-Lin Young young@iastate.edu Chien-Peng Yuan yuan@pa.msu.edu Hui Zhai huizhai.physics@gmail.com

Zhentang Zhao zhaozhentang@sinap.ac.cn Fuchun Zhang fuchun@zju.edu.cn

Rui Qin Zhang aprqz@cityu.edu.hk Yuhong Zhang yzhang@jlab.org Dongping Zhong zhong.28@osu.edu Xingjiang Zhou XJZhou@aphy.iphy.ac.cn

Shaofei Zhu zhu@anl.gov