

## Xiaoping Hu, Ph.D.

**Department of Bioengineering**  
**University of California, Riverside**  
**900 University Avenue, Riverside, CA 92521**  
**(951) 827-2925 (office), (951) 827-6416 (fax), e-mail: [xhu@engr.ucr.edu](mailto:xhu@engr.ucr.edu)**

### Education

- 1982 B.S. in Physics (Honors), University of Science and Technology of China, Hefei, China
- 1984 M.S. in Physics, University of Chicago, Chicago, Illinois
- 1988 Ph.D. in Medical Physics (specialized in MRI), University of Chicago, Chicago, Illinois

### Professional Experience

- 1988-1990 Research Associate, Department of Radiology, University of Chicago
- 1990-1994 Assistant Professor, Department of Radiology, University of Minnesota
- 1990-2002 Full Member, Biophysics and Medical Physics Program, University of Minnesota
- 1993-2002 Full Member, Biomedical Engineering Program, University of Minnesota
- 1994-2002 MD/PhD program preceptor, University of Minnesota
- 1994-1998 Associate Professor (with tenure), Department of Radiology, University of Minnesota
- 1998-2002 Professor, Departments of Radiology and Psychology, University of Minnesota
- 2002-2016 Professor and Georgia Research Alliance (Endowed) Eminent Scholar in Imaging, Dept. of Biomedical Engineering, Georgia Tech/Emory University
- 2002-2016 Founding Director, Biomedical Imaging Technology Center, Georgia Tech/Emory University
- 2002-2016 Adjunct Professor, Dept. of Radiology, Emory University
- 2003-2016 Adjunct Professor, Dept. of Psychology, Emory University
- 2005-2018 Adjunct Professor, Dept. of Electrical and Computer Engineering, Georgia Institute of Technology
- 2016- Professor and Chair, Department of Bioengineering, University of California, Riverside
- 2016- Founding Director, Center for Advanced Neuroimaging, University of California, Riverside
- 2017- Cooperating Professor, Departments of Electrical Engineering, Psychiatry and Neuroscience, and Medicine, University of California, Riverside
- 2017- Program faculty, Neuroscience Graduate Program and Biomedical Sciences Graduate Program, University of California, Riverside
- 2019 UC CORO Collaborative Leadership Training Program

### Honors and Awards

- 1982 Mo-Ruo Guo Scholarship for best physics senior, Univ. of Science and Technology of China.
- 1983 First in Ph.D. qualifying exam in Physics at the University of Chicago.
- 1986 Society for Magnetic Resonance in Medicine Annual Meeting student travel award
- 1987 Society for Magnetic Resonance in Medicine Annual Meeting student travel award
- 1989 Society for Magnetic Resonance in Medicine Annual Meeting student travel award
- 1991 Dupont/Radiological Society of North America Scholar
- 2000 Outstanding Scholar, Chinese Natural Science Foundation
- 2003 Senior Member, IEEE
- 2004 Fellow, International Society for Magnetic Resonance in Medicine
- 2007-9 Team member, 111 Talent Program, Beijing Normal University
- 2009 Fellow, IEEE
- 2009 Fellow, American Institute of Medical and Biological Engineering
- 2011 Distinguished Reviewer, Magnetic Resonance in Medicine
- 2017 Expert with Distinguished Contributions, Chinese Radiological Society
- 2017 Bei Shi-Zhang Lecture speaker, Chinese Academy of Sciences
- 2022 Fellow, American Association for the Advancement of Science

### Editorial Activities

1994-2014 Associate Editor, IEEE Transactions on Medical Imaging  
 1998 Guest Editor, NMR in Biomedicine  
 2000 Guest Editor, NMR in Biomedicine  
 2001-2004 Member, Editorial Board, Magnetic Resonance in Medicine  
 2005-2013 Deputy Editor, Magnetic Resonance in Medicine  
 2011- Editorial Board Member, Brain Connectivity  
 2011- Editorial Board, Chinese Journal of MRI  
 2012-2016 Editorial Board, IEEE Transactions on Biomedical Engineering  
 2013- Associate Editor, Magnetic Resonance in Medicine  
 2015- Member, Editorial Board, International Journal of Digital Medicine  
 2018- Associate Editor, Frontiers in Neuroscience, Neuroimaging Methods  
 2018-2019 Editor, Special Research Topic, “Temporal Features in Resting State fMRI Data  
 Frontiers in Neuroscience.  
 2021- Editorial Board, Magnetic Resonance Letters

### **National and International Committees and Boards**

1996-1998 Chartered Member, Clinical Neuroscience and Biological Psychopathology Review  
 Committee, NIMH, NIH  
 1997-2000 Member, Student Award Committee, International Society for Magnetic Resonance in  
 Medicine  
 1998-2000 Chartered Member, Brain Disorders and Clinical Neuroscience 6, CSR, NIH  
 2000-2004 Oversea Assessor for the Chinese Academy of Sciences  
 2000-2002 External Scientific Advisor, Taiwan University MR Research Center  
 2002 Member, Georgia Research Alliance Advanced Medical Technologies and Devices  
 Planning Group  
 2002- Member of the Canada Research Chair Review College  
 2003 Ad hoc reviewer of the Board of Scientific Councilor of Laboratory of Brain and  
 Cognition at NIMH  
 2004-2006 President, Oversea Chinese Society for Magnetic Resonance in Medicine  
 2004-2009 Vice Chairman, Academic Exchange Fund of International Medical MR  
 2004-2010 Member, Board of Advisors, Southwest Medical Devices Association  
 2006-2016 External Scientific Advisor, Eastern China Normal University MRI Research Center  
 2006-2016 Advisory Board Member, Biomedical Imaging Research Center, University of Georgia  
 2007-2011 Chartered Member, Biomedical Computing and Health Informatics, CSR, NIH  
 2007-2011 Member of the Council, World Association of Chinese Biomedical Engineers  
 2008-2011 Member, ISMRM Education Committee  
 2008-2011 Member, ISMRM Subcommittee on Financial Support  
 2009-2016 International Scientific Advisor, National High Magnetic Field Laboratory of China  
 2010 Steering Committee, National Academies Keck Futures Initiative on Seeing the Future  
 with Imaging Science  
 2010-2013 Annual Meeting Program Committee, International Society for Magnetic Resonance in  
 Medicine  
 2011 Co-Chair, Technical Program Committee, BMES 2012 Annual Meeting  
 2011-2013 Ad Hoc Committee on Standards, International Society for Magnetic Resonance in  
 Medicine  
 2011-12 Member, International Advisory Board, Joint College of BME of Chongqing University  
 and 3<sup>rd</sup> Military Medical School, Tsinghua University, China  
 2011- 2016 Member, Chair Professor League in Medical Imaging, Tsinghua University, China  
 2012-2015 Member (Chair 2013-2015), Subcommittee on Trainee Stipends, International Society  
 for Magnetic Resonance in Medicine  
 2012-2015 Board of Trustees, International Society for Magnetic Resonance in Medicine  
 2013 Member, External Review Committee, BME program at University of Texas,  
 Southwestern and University of Texas, Dallas  
 2014 Chair, Nominating Committee, International Society for Magnetic Resonance in  
 Medicine  
 2014 Member of the Panel for the Review and Assessment of the “One-Three-Five” Strategy  
 of Hefei Institutes of Physical Science, Chinese Academy of Sciences.

- 2017-18 Ad Hoc Committee on Standards, International Society for Magnetic Resonance in Medicine
- 2019- Publication Committee (Vice Chair, 2021-22), International Society for Magnetic Resonance in Medicine
- 2019-2021 Workshop and Study Group Review Committee, International Society for Magnetic Resonance in Medicine
- 2019-2020 Chair, Study Group on Current Issues in Brain Function, International Society for Magnetic Resonance in Medicine
- 2022- Chair of the Publication Committee, International Society for Magnetic Resonance in Medicine
- 2022- Web Editorial Board, International Society for Magnetic Resonance in Medicine
- 2022- Finance Committee, International Society for Magnetic Resonance in Medicine

### Conference Organization

- 1997 Organizing Committee Member, Minnesota Workshops on High Field MR and Functional Brain Imaging
- 1999 Organizing Committee Member, Minnesota Workshops on High Field MR and Functional Brain Imaging
- 2000 Organizing Committee Member, Chapel Hill Workshop on Understanding the BOLD Phenomena and Its Applications
- 2000 Organizing Committee Member, University of Minnesota Institute of Mathematics and Applications Brain Imaging Symposium
- 2003-2005 Organization Committee Member, SPIE Conference on Medical Imaging: Physiology, Function and Structure from Medical Images
- 2004 Organizing Committee Member, 2<sup>nd</sup> World Congress of Chinese Biomedical Engineers
- 2005 Organizing Committee Member, International Symposium on Medical Imaging and Computing
- 2006 Organizing Committee Member, International Workshop on Medical Imaging and Augmented Reality
- 2006 Organizing Committee Member, First Conference of Sino-Western Exchanges in Cognitive Neuroscience Organizing Committee
- 2006 Conference Chair, Physiology, Function and Structure from Medical Images, SPIE Conference on Medical Imaging
- 2006 Chair, Engineering in Medicine and Biology Conference 2006 Neural Imaging Track
- 2007 Conference Chair, Physiology, Function and Structure from Medical Images, SPIE Conference on Medical Imaging
- 2007 Organizer, International Society for Magnetic Resonance in Medicine Global Outreach Program, "The State of the Art MRI."
- 2007 Organizer, Joint MR Meeting of Oversea Chinese Society of Magnetic Resonance in Medicine and The Chinese Radiological Society.
- 2008 Organizer, 2008 ISMRM Global Outreach Workshop in China, Zhengzhou, Henan, China.
- 2008 Program Committee Member, Physiology, Function and Structure from Medical Images, SPIE Conference on Medical Imaging
- 2008 Organizing Committee, Joint MR Meeting of Oversea Chinese Society of Magnetic Resonance in Medicine and The Chinese Radiological Society, Shenzhen, China.
- 2008 Conference Chair, Physiology, Function and Structure from Medical Images, SPIE Conference on Medical Imaging
- 2009 Organizing committee and Track Chair, World Congress on Biomedical Engineering 2009
- 2009 Organizer, 2009 ISMRM Outreach Workshop in China, Huangshan, China
- 2010 Organizer, 2010 ISMRM Outreach Workshop in China, Shanghai, China
- 2010 Organizing Committee, Joint MR Meeting of Oversea Chinese Society of Magnetic Resonance in Medicine, Shanghai, China.
- 2010 Program Committee Member, MICCA 2010
- 2011 Program Committee Member, MICCA 2011 workshop on Multimodal Brain Image Analysis

- 2012 Program Committee Member, Mathematical Methods in Biomedical Image Analysis (MMBIA)
- 2013 Organizing Committee Member, NSF Workshop on Mapping and Engineering the Brain
- 2013 Organizing Committee Member, Whistler Workshop on Brain Function
- 2015 Organizing Committee Member, Whistler Workshop on Brain Functional Organization, Connectivity and Behavior
- 2017 Organizing Committee Member, Whistler Workshop on Brain Functional Organization, Connectivity and Behavior
- 2018 Chair, Organizing committee, 19<sup>th</sup> UC Systemwide Bioengineering Symposium
- 2019 Panel Organizer, “New trends in advancing clinical imaging of neurological disorders”, Winter Conference on Brain Research 2019.
- 2019 Panel Organizer, “Candidate Neuroimaging Biomarkers for Synucleinopathies”, Winter Conference on Brain Research 2020.
- 2019 Organizing Committee Member, Whistler Workshop on Brain Functional Organization, Connectivity and Behavior

### **Grant Reviewing**

- 1993- NIH grant reviewer
- 1997- NSF grant reviewer
- 1999- Canadian Institute for Health Research Grant Reviewer
- 2003- Reviewer for the Wellcome Trust, UK
- 2004- Reviewer for National Foundation of Natural Science of China
- 2008- Reviewer for Research Grants Council of Hong Kong
- 2010- Reviewer for Science Foundation of Ireland
- 2015- Mail reviewer of the NIH New Innovators Award (DP2)

### **Manuscript Reviewing**

- Magnetic Resonance in Medicine • IEEE Transactions on Medical Imaging • Journal of Magnetic Resonance • Journal of Magnetic Resonance Imaging • Magnetic Resonance Imaging • IEEE Transaction on Signal Processing • IEEE Transactions on Biomedical Engineering • NeuroImage • Human Brain Mapping • Biological Psychiatry • Movement Disorders • Proceedings of National Academy of Sciences, USA • Cerebral Cortex • Neurobiology of Aging • Frontiers in Neuroscience

### **Conference Paper Reviewing**

- International Society for Magnetic Resonance in Medicine • Radiological Society for North America • Engineering in Medicine and Biology Society • SPIE Medical Imaging Conference • Organization for Human Brain Mapping

### **Conference Session Chair**

- RSNA • ISMRM annual meetings • SPIE Medical Imaging Conference • Engineering in Medicine and Biology Conference • World Congress of Chinese Biomedical Engineers • BMES Annual Meeting

### **Memberships**

- International Society for Magnetic Resonance in Medicine (1990-)
- Institutes for Electrical and Electronic Engineers (1990-)
- Society for Neuroscience (1998-2001)
- Organization for Human Brain Mapping (2007-)
- American Association of Physicists in Medicine (1990-1999)
- American Association for the Advancement of Science (2012-)

### **Institutional and departmental committees**

*At University of Minnesota*

- MD/PhD steering committee, University of Minnesota (97-01)
- Member, Medicine Chair Search committee, University of Minnesota (99)
- Member, Department of Radiology Research Committee, University of Minnesota (96-01)

*At Emory University and Georgia Tech*

- Graduate admission committee (2002, 2003-04)

- Director, Imaging Core, NSF Center for Behavioral Neuroscience(h2002-09)
- BME chair search committee (2002)
- Chair of the BME department faculty recruiting committee (2002-11)
- Faculty advisory committee (2003-05)
- Departmental awards committee (2004-12)
- Retention, promotion and tenure committee (2002-16)
- Department of Radiology chair search committee (2004)
- GT/Emory molecular imaging workshop committee (2004)
- Research advisory committee, Emory School of Medicine (2004-08)
- Steering committee, Institute for Predictive Health Care Research (2004-2005)
- Neuroscience curricula committee (2004-16)
- Neuroscience strategic planning committee (2005-6)
- Clinical and translation science award: Translational Technologies and Resources Subcommittee (2006)
- Information Technology Steering Committee: Research Subcommittee (2006-09)
- School of Medicine Imaging Steering Committee (2006-13)
- Bioengineering graduate program faculty advisory committee (2006-08; Chair:2007-08)
- Departmental strategic planning committee (2006-08)
- BME-Radiology retreat planning committee (2006)
- Neuroimaging seminar series advisory committee (2006-08)
- Strategic planning committee for the GT/Emory/Peking University Joint BME program (2006-10)
- Emory neuroscience initiative leadership committee (2008-10)
- Graduate recruiting committee for the GT/Emory/Peking University Joint BME Ph.D. program (2009-15)
- Georgia Tech College of Engineering Translational Research Task Force (2010)
- Department of BME graduate committee (2014-16); Chair (2014-2015)

*At University of California-Riverside*

- Faculty Advisor, UCR Undergraduate Research Journal (2016-)
- UCR Honors Program Faculty (2016-)
- UCR Chancellor Undergraduate Research Fellowship review committee (2017, 2018)
- Internal Reviewer, UCR Submission of NIH Innovators Award (2018, 2019)
- Chair, UCR Strategic Planning Committee on Research and Scholarly Distinction (2019-2020)
- Member, UCR Bourns College of Engineering Strategic Planning Committee (2020)

**Graduate student advising—34 PhD students and 5 MS students advised, currently advising 5 PhD students**

**Post-Doctoral Trainees Trained – 30+ post-doctoral fellows train to date**

**Research Grants ---60+ grants as PI or co-PI totaling \$50,000,000**

**Invited talks ---235 invited talks given**

**Publications**

- **Refereed Journal Papers –310 papers published ([google scholar citations](#): 30,000+ citations, h-index=94)**
- **Proceeding Articles and Book Chapters --- 45**
- **Conference Presentations and Abstracts**  
650+ conference abstracts.

**Patents—7 patents awarded**