Long-Qing Chen

Education and Training:

Massachusetts Institute of Technology	Materials Science and Engineering	Ph.D.	1990
Stony Brook University	Materials Science and Engineering	M.S.	1985
Zhejiang University	Materials Science and Engineering	B.S.	1982
Rutgers University	Materials Science and Engineering	Postdoc	1990-1992

Research and Professional Experience:

2015 → Present	Donald W. Hamer Professor of Materials Science and Engineering, Engineering Science and Mechanics, and Mathematics	Penn State
2012 → 2015	Distinguished Professor of Materials Science and Engineering	Penn State
2002 → 2012	Professor of Materials Science and Engineering	Penn State
2000 → 2012	Associate Head for Graduate Studies in Materials Science and Engineering	Penn State
1998 → 2002	Associate Professor of Materials Science and Engineering	Penn State
1992 → 1998	Assistant Professor of Materials Science and Engineering	Penn State

Research Accomplishments

- > 500 total publications (3 Nature, 6 Science, 2 Nature Materials, 1 Nature Nanotechnology, 1 Nature Physics, 2 Annual Review of Materials Research, 10 Nature Communications, 2 Proceedings of National Academy of Sciences, 1 Science Advances, 10 Advanced Materials, 14 Nano Letters, 4 ACS Nano, 14 Physical Review Letters, 6 Advanced Functional Materials, 72 Acta Materialia
- Citations: Total > 26,000, H-index = 81
- Co-edited 3 books with one book "Continuum Scale Simulation of Engineering Materials" which was on the top-10 bestseller list in Materials Science in 2005 according to the publisher, Wiley VCH
- > 300 invited (~25 keynote and plenary) presentations including 6 at Gordon Research Conferences
- 2 patents with one licensed by Intel

Ph.D Student and Postdoc Advising

- > 40 honors and awards received by Ph.D. Students (1 Acta Materialia Best Student Paper Award, 3 MRS Graduate Student Medals, 5 American Ceramic Society Graduate Excellence Awards, two TMS Young Leader Awards, 3 Named Postdoctoral Fellowships at National Labs, 1 best Ph.D. thesis research award, 1 Alumni Association Ph.D. Dissertation Award, 4 Robert Newnham Awards, etc.)
- Advised or co-advised 30 Ph.D. thesis (+6 MS thesis) and 22 postdocs. Hosted > 30 visiting scientists (8 were visiting professors); current: 13 graduate students (10 at PSU, 3 co-advised at Tsinghua), 5 postdocs

Professional Activities

- Editor-in-Chief for npj Computational Materials by the Nature Publishing Group; Editor for Materials Research Letters by Taylor & Francis; Associate Editor for the Journal of the American Ceramic Society; and Overseas Editor for Materials Transactions, JIM (Japanese Institute of Metals); Editorial Board Member of Applied Physics Letters and Journal of Applied Physics, Computational Materials Science, the International Journal of Nano & Biomaterials, Communications in Computational Physics
- Organized or co-organized more than 40 MRS, TMS, and MS&T conference symposia including Chairing or Co-Chairing the International Seminar on Phase-field Method 2009 and 2014
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Selected List of Honors and Awards

- Fellow of the Minerals, Metals, and Materials Society (TMS, 2017, only 100 living TMS Fellows world-wide), Fellow of the American Ceramic Society (ACerS, 2015), Fellow of Materials Research Society (MRS, 2013), Fellow of ASM International (ASM, 2012), Fellow of the American Physical Society (APS, 2008)
- Lee Hsun Award by Shenyang Institute of Metals Research, Chinese Academy of Sciences, 2015
- National Science Foundation Special Research Creativity Award 1998 and 2015
- MRS Materials Theory Award, 2014
- TMS EMPMD Distinguished Scientist Award 2011

- Students' Choice Faculty of the Year Award, Materials Science and Engineering, Penn State, 2010
- Royal Society / Kang Tong Po Visiting Professorship at Hong Kong Polytechnic University, 2006
- ASM Materials Science Research Silver Medal 2006
- Guggenheim Fellow, 2005 – 2006
- Penn State Faculty Scholar Medal in Engineering, 2003
- Earth and Mineral Science College Wilson Award for Outstanding Research, 2000
- Office of Naval Research Young Investigator Award, 1995