

Curriculum Vitae (Prof. Fusheng Pan)

Prof. Dr. Fusheng PAN

DATE AND PLACE OF BIRTH: July 30, 1962, Zhejiang, China

ADDRESS: National Engineering Research Center for Magnesium Alloys.
Chongqing University, Chongqing, 400044, China

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JOB TITLE: ✦

Chair Professor of Chongqing University, China ✦

Honorary Director, National Engineering Research Center for Magnesium Alloys

ACADEMIC TITLES: ✦

Academician, Chinese Academy of Engineering (CAE) (2017-present) ✦

President, International Magnesium Society (<https://www.imsmg.org>) (2019-present)

Editor in Chief, Journal of Magnesium & Alloys (Elsevier, 2013-present)
(<https://www.sciencedirect.com/journal/journal-of-magnesium-and-alloys>, IF = 15.8)

President, ISO/TC 79/SC 5 (Magnesium & Alloys) (2015-2024) ✦

Vice President, Chinese Materials Research Society (C-MRS) (2016-present) ✦

President, Chongqing Academy of Science and Technology (2008-2017) ✦

Director, National Engineering Research Center for Magnesium Alloys (2008-2017)

President, Chongqing Association for Science & Technology (2017-present)

EDUCATION: ✦

July 1982: Bachelor degree in metallurgy, Hefei University of Technology, China ✦

July 1985: Master degree in metallic materials, Chongqing University, China ✦

April 1995: PhD in Materials Science & Engineering, Northwestern Polytechnical University, China

WORK EXPERIENCE IN CHINA ✦

1985-1987: Teaching Assistant, Chongqing University, China ✦

1987-1989: Lecturer, Chongqing University, China ✦

1989-1993: Associate Professor, Chongqing University, China ✦

1993-present: Professor, Chongqing University, China

WORK EXPERIENCE OUTSIDE CHINA ✦

1991-1993: Academic Visitor, Oxford University, UK ✦

1996-1997: Research Scientist, Stuttgart University, Germany ✦

2001-2002: Guest Professor, Chiba University, Japan ✦

2004: Academic Visitor, University of California, Los Angeles, USA ✦

2006-2007: Visiting Professor, Queens Mary College, UK ✦

2015-2016: Honorary Professor, Queensland University, Australia

RESEARCH WORKS AND ACADEMIC EXPERIENCE

Pan's research work is focused on the field of light metals, particularly magnesium alloys. His pioneering work has not only advanced fundamental understanding but also driven large-scale industrial applications, setting global benchmarks in materials science and engineering. He proposed the theory of solid solution strengthening and ductilizing of magnesium alloys, introduced the principle of asymmetric processing and invented new asymmetric processing technologies to enhance plasticity and formability effectively. He published over 1000 scientific papers in international

journals and over 10 books, and have over 200 patents granted. He received over 10 international or national awards. He founded a magnesium alloy journal (Journal of Magnesium and Alloys, Elsevier) ranked #1 (by impact factor) among 81 SCI journals in metallurgical engineering (2021-2024). He chaired the ISO Magnesium and Magnesium Alloy Technical Subcommittee for 9 years, and led collaboration with countries such as France, the UK, and Germany to develop 10 ISO international standards, advancing global adoption of magnesium alloys. He founded the National Engineering Research Center for Magnesium Alloys, which now is the biggest research organization for magnesium and magnesium alloys in the world. He was Chairman, 3rd, 4th, 5th, 6th, 7th and 8th International Conference on Magnesium (China), Co-chairman, 8th, 10th and 13th International Conference on Magnesium Alloys and their Applications (Germany, Korea and China) , Co-chairman, E-MRS Spring Meeting 2016 and E-MRS Spring Meeting 2019 (France) , Co-chairman, IUMRS Conference on Advanced Materials (France) , Chairman, 1st China-UK Advanced Materials Summit (China), 2nd UK-China Advanced Materials Summit (UK), 3rd China-Europe Advanced Materials Symposium (China).