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Author Spotlight

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Author Spotlight

Li Ming(李明)



Prof. Li is a tenured professor in the School of Materials Science and Engineering at Shanghai Jiao Tong University, and the founder of the Institute of Electronics Materials and Technology. He received his PhD degree from Kyushu Institute of Technology (Japan) in 1998. He then worked in a Japanese manufacturing company Mitsui High-Tec Inc. for many years. Currently, his research interest mainly focused 3D packaging materials and technology (lead-free solder, interconnection, low temperature bonding), nanostructured materials and functional thin films preparation routed by electrochemical method (electrodeposition, electro-grafting). He has been working as the principal investigator in many national key projects, including the National Major Scientific and Technological Projects, the Ministry of Science and Technology International Cooperation Project, the National Major Scientific Research Program (973), the National Natural Science Foundation of China, Shanghai Pujiang Talents Plan, Nanotechnology Project of Shanghai Science and Technology Council, etc. He is also working with many international and domestic enterprises including Huawei, Western Digital, Shanghai Sinyang semiconductor, etc. He has published more than 100 journal and conference papers, and obtained over 50 National invention patents. His contribution on the electronic materials research has been recognized with many awards including “Electronic Packaging Technology Outstanding Contribution Award” awarded by Electronic Manufacturing and Packaging branch of the Chinese Institute of Electronics, “Distinguished Contribution Award” awarded by ICP CEMAC. Moreover, he has served as a Director of the Electronic Manufacturing and Packaging Branch of the China Electronics Soci-

ety, Deputy Director of the Electro Technical Society of the China Electronics Society, Deputy director of the Shanghai Electro technical Society Electromechanical Plating Special Committee and so on.

Research Interests:

- (1) Electronic Packaging (3D packaging, lead-free solder, interconnection, low temperature bonding)
- (2) Nanostructured Materials (metallic nanostructure array materials)
- (3) Electrochemistry (electrodeposition, electrografting)

Admission Information:

Applicants should be the top 10% undergraduates from the university of 985 project.

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He Wei(何为)

Wei He is a second-grade Professor of Applied Chemistry at University of Electronic Science and Technology of China (UESTC). He has ever worked as a visiting scholar and a visiting professor at University of Florence, Italy. Now, he also concurrently served as the Director of Zhuhai and Suining Branch for State Key Lab of Electronic Thin Films and Integrated Devices, the Counselor of China Printed Circuit Association (CPCA) and the Editorial Advisory Member of Circuit World (SCI Journal) and Printed Circuit Information (Chinese Journal).



Prof. He initiated an active research group focusing on printed circuit and printed electronics in the way of Industry-University-Institute cooperation. As an expert of professional authority on printed circuit and

printed electronics, he obtained the academic titles of Expert with Special Government Allowance of the National Council of China, Academic and Technological Leader of Sichuan Province, Chief Expert of Center for Academician/Expert of Sichuan Province, Famous Teachers for Teaching and Educating of Sichuan Province, and Leader of Innovation Team of Pearl River Talents Scheme.

He published 500+ refereed journal articles and 6 technical books, and has 100+ issued CN/USA patents. For his technological achievements for industrial application, he won lots of great awards including the Second Award of National Science and Technology Progress of China in 2014, the First Award of Science and Technology Progress of Sichuan Province in 2018 and the First Award of Science and Technology Progress of Chinese Ministry of Education in 2011.

Research Interests:

Current projects for the research group include technology and process of printed circuit and printed electronics, applied electrochemistry and electronic chemicals.

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Chen Zhi-Dong (陈智栋)



Prof. Chen received his Ph.D. degree from Yamaguchi University, Japan. After graduating, he worked at the Surface Treatment Research Institute in Osaka, Japan. He returned to China in 2002 and is currently a professor and doctoral supervisor at Changzhou University. He is the director of China Electronic Electroplating Expert Committee and the director of Technical Committee of Jiangsu Surface Engineering Association. He is the leader of the scientific and technological innovation team of “Qinglan Project” in Jiangsu Colleges and Universi-

ties, the young and middle-aged scientific and technological leader of Jiangsu Province’s “333 Project”, the young and middle-aged academic leader of Jiangsu Province’s “Qinglan Project”, and a famous teacher in the national petroleum and chemical industry.

Prof. Chen has presided over 4 projects of the National Natural Science Foundation of China, 1 international cooperation and exchange project, and 4 cooperative projects of the Ministry of Education, Culture, Sports, Science and Technology of Japan. He presided over a number of horizontal projects, totaling about 30 million yuan. He has published more than 280 SCI papers in important journals at home and abroad, and applied for more than 60 invention patents, of which 54 were authorized and 3 were converted into authorized patents. He won the second prize of Jiangsu Province Graduate Education Reform Achievement Award and the second prize of China Petroleum and Chemical Industry Education Scientific Research Achievement Award. In 2020, he won the first prize of Science and Technology Progress Award of China Surface Engineering Association for “Key Technology R&D and Industrialization of Electrolytic Copper Foil for High-performance and Ultra-thin Lithium ion Battery” technology.

Prof. Chen Zhidong’s research group of the School of Petrochemical Engineering and School of Material Science and Engineering at the Changzhou University recruits academic master students in chemical engineering and technology and materials science and engineering, professional master students in materials and chemical engineering, and doctoral students in materials science and engineering and safety science and engineering.

Research Interests:

His research interests focus on applied electrochemistry, including electrode materials for energy storage and electrocatalysis, surface treatment of electronic devices, chemically modified electrodes in analytical chemistry applications.

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Wang Chong(王翀)



Associate Professor Wang received his B.S and Ph.D in chemistry from Xiamen University in 2004 and 2010, separately. In 2008, he was sponsored by the China Scholarship Council to study battery materials under professor Goodenough at the university of Texas at Austin. Before joined the research group of printed circuits and electronics that lead by professor He Wei at the university of electronic science and technology of China in 2012, he worked in the research center of electronic material of the Dow chemical company as a senior scientist at Hong Kong. His research work focuses on electronic plating, mainly covering fundamental scientific issues of electrocrystallization, application and engineering of electronic plating, and technology of advanced inter-

connects manufacturing. He has authored 2 books, published more than 20 SCI papers, obtained more than 20 authorized patents, and won the first prize of Sichuan Science and Technology Progress Award and the second prize of Guangdong Province Science and Technology Progress Award.

Research Interests:

Synthesis and interfacial electrochemistry of organic additives; Electrocrystallization; Engineering of electronic chemicals and electronic materials; Electroplating for interconnects and wafer (Damascus electroplating); Integration at circuits level; Manufacturing issues of printed circuit boards, packaging substrate and copper foil.

Admission Information:

Undergraduates who major in chemistry, chemical engineering, materials, and related disciplines. Recommended or pass the national master's enrollment examination.

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