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## Preface

### Special Issue in Honor of Professor Zhaowu Tian on His 90<sup>th</sup> Birthday

The *Journal of Electrochemistry* is proud to publish this Special Issue Honoring Professor Zhaowu Tian, on the occasion of his 90<sup>th</sup> birthday, for his enormous contributions to and far-reaching impact in the field of electrochemistry.

Professor Tian is one of the founders and pioneers of electrochemistry in China, and a well-known electrochemist in the world as well. He was born in 1927 in Fuzhou, and graduated from Xiamen University in 1949 majoring in physical chemistry. Prof. Tian directed his study to electrochemistry in 1955, and significantly advanced electrochemistry in both fundamental and application. Based on his sharp scientific views and outstanding creativity, Prof. Tian has made a series of systematic and original achievements in electrochemistry covering wide areas from methodologies and instrumentations to fundamental and applied electrochemistry, including autocatalysis, AC impedance analysis, porous electrode theory, photoelectrochemistry, secondary batteries, supercapacitor, corrosion electrochemistry, electroanalysis, microfluidics/microchip and microfabrication. He has published seven books and 193 papers in journals, and is the owner of 34 patents. Many of his research achievements have realized technical transfer, which greatly advanced the development of science and industrial applications. He received 20 important awards for his great scientific achievements and outstanding contributions. Prof. Tian became an academician of Chinese Academy of Science in 1980, president of Xiamen University during 1982-1989, and elected as vice president of the International Electrochemical Society in 1996-1999. We are particularly proud that currently he is still very active in his interests of scientific topics, social progress and students' supervision. His scientific spirit of "determined, strived, innovative and realistic" has always guided and stimulated his numerous students over the world.

Prof. Tian founded the *Journal of Electrochemistry* in 1995, when the 46<sup>th</sup> annual meeting of the International Electrochemical Society was held in Xiamen. Under his long-term cultivation and direction, the journal has become the official publication of Chinese Society of Electrochemistry(CSE), and devoted great efforts to serve for the rapidly growing needs of electrochemistry in both fundamental and applied topics in China and to promote the international communication and collaboration as well.

In this special issue, we collected 13 papers involving various topics in modern electrochemistry contributed by some of Prof. Tian's close friends and former students in China and over the world to celebrate the 90<sup>th</sup> Birthday of Prof. Tian. We would like to take this opportunity to sincerely thank all the authors for submission of their excellent works to ensure the high standard of the special issue. The professional devotions from the reviewers and editorial staff of the *Journal of Electrochemistry* to the success of special issue are also highly appreciated.

Prof. Shigang Sun

Prof. Changjian Lin

Prof. Bingwei Mao