

Studies on the History of Metrology

Development in China and the West *by Guan*

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Thématique: Science in Different Cultures and Civilizations

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Metrology is the basis of the development of science and plays an important role to maintain the progress of civilization. It is also the foundation for a country to develop its economy and trade. In the process of their development, different civilization accumulated different theories of metrology, which exerted different influence upon the development of their society. Accordingly, we are sure that history of metrology is an important branch in the fields of the history of science and technology.

At the symposia, we would like to provide a good forum for scholars to exchange their research results of the history of metrology. Since metrology played an important role in the progress of society and science, and there are a few people who study the history of metrology, it is necessary to provide an occasion for scholars in the field to exchange their ideas. That is why we apply for the session.

Metrology has wide meaning in our session. It includes historical research matters, such as metrological standard, length standard, volume and weight measurement, astronomical measurement, angle metrology, agriculture and time metrology, land surveying technology, relationship between science and metrology, and the international activities relating metrology, etc. We also encourage researchers to speak about social context relating measurement and man. Nine people have been invited and promised to join our symposium. The following is the detailed information

1. Guan Zeng-jian Professor Shanghai Jiao Tong University Shanghai China. Paper : The Historical Development of China Metrology E-mail: guanwj@sjtu.edu.cn
2. Konrad Herrmann, Professor, Laborleiter im Ruhestand der Physikalisch-Technischen Bundesanstalt (PTB), Berlin, Germany. Paper : Technological Characteristics in the Comparison of the Metrological Development in China and the West E-mail: konrad.h.herrmann@googlemail.com
3. Sa Rina, Professor, Shanghai Jiao Tong University Shanghai China. Paper : The Study on the Transmission of Traditional Chinese Metrological Knowledge Spread to

Japan E-mail: sarina@sjtu.edu.cn

4. Ma Wei-hua, Associate Professor School of History, Zhengzhou University, Paper title The transformation of Manchu's metrology during the early Qing Dynasty E-mail: maweihua1984@163.com
5. Dong Yu-yu Associate Professor, Shanghai Jiao Tong University Shanghai China. Paper : A Study on Li Xu's Criminal Case about a Serious Deficit in Silver and Grain about Tax in the Qing Dynasty E-mail: yuyudong@sjtu.edu.cn
6. Qiu Guang-ming Professor China National Institute of Standardization CNIS Beijing China Paper title A New Interpretation of metrological Standard Xin Mang Tong Jia Liang in Ancient China E-mail: qiuguangming806@126.com
7. He Zhao-quan Associate Professor, Harvard Institute for Quantitative Social Science China Jiliang University, Paper : Liu Chenggui (劉承桂) and the New System of Weights and Measures in the Northern Song Dynasty E-mail: hezhaquan@gmail.com
8. Liang Jian-guo Associate Professor, Harvard Institute for Quantitative Social Science Xiamen University, Paper : Weights and Measures in the Management of Water Conservancy Projects in the Song Dynasty E-mail: liangjianguo2008@126.com
9. Ren Jie Ph D Associate Professor, School of Humanities and Social Sciences, China Jiliang University, Hangzhou, China Paper: A Preliminary Research on the Relation between Agriculture and Time Metrology in Traditional Society of China E-mail: tjurj@163.com.