Preface

Proceedings of the First Symposium on Aviation Maintenance and Management collects selected papers from the First Symposium on Aviation Maintenance and Management in China held in Xi'an on November 25–28, 2013. The book features state-of-the-art studies on aviation maintenance, test, fault diagnosis, and prognosis of aircraft electronic and electrical systems. The selected works can help promote development of maintenance and test technology toward important and complex aircraft systems. Researchers and engineers in the field of electrical engineering and aerospace engineering can benefit from the book.

We received 265 complete submissions, the largest number of submissions in the domain of aircraft maintenance. Thirty excellent papers were selected for oral presentation and 117 papers for poster presentation, resulting in acceptance rates of 11.3 % for oral, 44.2 % for poster, and 55.5 % in total.

The following is a brief description of the review process. After the submission deadline, each paper was assigned to one member of the Program Committee with the help of keyword searching system. Each member then made reviewer suggestions (an average of five per paper), which were load balanced and conflict resolved, giving two reviewers for each paper and a maximum of 10 papers per previewer. For the decision process, members of the Program Committee met in Northwestern Polytechnical University. They read the reviews and consolidation reports, jointly discussed all the submitted papers, and made acceptance\acceptance with revision\rejection decisions. They also recommended a small number of top-ranked papers for oral presentation, and made final oral and poster decisions.

We wish to thank everyone involved for their valuable time and dedication to making this conference possible, including authors who produced high-quality research, reviewers who gave professional comments, and committee members who made important decisions. The success of the conference entirely relied on their time and effort.

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