

*Engineering* comes to you at last. As the Editors-in-Chief of *Engineering*, first of all, we wish to thank all the scholars at home and abroad for their eager responses and full support, and all those who have provided encouragement and contributions toward the emergence of this journal.

Looking back over the history of human civilization, human survival is closely related to the development of social productive forces, which come from engineering science and technology (EST). Along with today's rapid economic and social development, we face common threats from global problems such as food safety, resource shortages, energy crises, environmental pollution, climate change, network attacks, population expansion, poverty, the prevalence of disease, and economic crises. Therefore, EST research that addresses these major issues of economic development appears to be particularly important. At present, a new scientific and technical revolution, including wide spread industrial transformation, is flowing together with new developments in human society. Historically, we know that progress and innovation in EST is a crucial engine for promoting progress in human society.

In order to provide a platform for the top-level international exchange of EST scholarship, as well as better guidance for the development of EST, the Chinese Academy of Engineering (CAE) is launching a world-class journal, *Engineering*, through cooperation with renowned experts and scholars in the EST communities. This journal covers all fields of EST, and reflects current EST development trends and progress in order to promote the exchange and exhibition of achievements. It includes three main sections: *News & Focus*, *Views & Comments*, and *Research*. *News & Focus* follows the frontiers and central issues of EST research, and reports on global EST research and application fields. In the first issue, three of the articles in this section are from China; we welcome more international contributions in future. *Views & Comments* includes descriptions of current processes and situations in EST research, as well as discussions on controversial issues. This section also covers com-

mentaries on major engineering projects and predictions on development trends. In each issue, the *Research* section focuses on one or two special topics, and publishes the latest research achievements in these fields of study. If necessary, we invite well-known scholars to write articles for this section; we also include several articles on other fields.

*Engineering* invites renowned experts all over the world to be its editorial members. Since this journal aims to serve EST workers, we have an open-access policy. Our international, high-quality manuscript submission and examination system attaches particular importance to innovation and efficiency. We call widely for high-caliber papers, organize a strict evaluation process, and optimize editing and publishing procedures in order to set up a high-quality platform in the field of engineering. Running an EST journal is hard work; this is a brand-new journey for us in which we are charged with heavy responsibilities, and which contains both opportunities and challenges. We sincerely feel that it is important to enhance the characteristics of this journal by strengthening both its international scope and its engineering background. We hope to encourage both readers and authors to try their best in more innovative ways, to pursue quality, and to improve in efficiency; and we hope to show the same characteristics of innovation, quality, and efficiency in our journal. We look forward to all papers and articles from EST experts and scholars, and all comments from readers; these valued contributions will ensure that *Engineering* becomes better and better.

*Engineering* Journal will reach you regularly with all of its distinctive features and vitality and we look forward to your enthusiastic participation and support. We promise you that our commitment is everlasting and unending. With your continuing inputs, we will ensure a bright future for the Journal. Ultimately, it will only be sustainable if it serves the needs of our community. With your enthusiasm, loyalty and dedication, the Journal will be a magnificent endeavor.



Zhihua Zhong



Raj Reddy