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SOLID STATE IONICS

**Fundamental Researches and
Technological Applications**

Wuhan, P.R. China, 2-6 May 2010

Editors

B. V. R. Chowdari

Hanxing Liu

Wen Chen

Qing Xu

Zhiyong Yu



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PREFACE

The Asian Society for Solid State Ionics (ASSSI) was conceived and founded in 1986 during a Workshop entitled “Materials for Solid State Batteries” held at the National University of Singapore. As one of the major activities of the Society, it was then decided to organize a series of biennial “Asian Conference on Solid State Ionics”. The objective of the said conference being to bring together the concerned researchers from the Asian countries in order to exchange notes, ideas, foster friendship and collaboration and discuss future prospects. Even though, these biennial conference series are mostly attended by the scientists from the Asian region, consistently we have been having participation from our distinguished colleagues from Europe and USA as well.

The first in the series was held in 1988 at the National University of Singapore. Since then the Conference has been going from place to place within Asia and now reaching the 12th in the series. The previous three conferences in this biennial series were held in India, Sri Lanka and Korea during 2008, 2006 and 2004, respectively. The very fact that both the Society and Conference series sustained the interests of members and member societies for so long speak volumes about ASSSI in general and the subject matter in particular.

Solid State Ionics, being a multidisciplinary area, is growing continuously as is evident from the number of abstracts received for presentation at this conference. We are happy to note that significant numbers of foreign and local participants are not only participating but also submitted manuscripts for publication in this volume. As has always been the practice, we have been able to bring the Proceedings of the 12th ASSSI conference in time and deliver to all delegates so that they will be able to refer and follow the presentations by the speakers in a cohesive manner. Our sincere thanks are due to all the authors for submitting the manuscripts before the deadline and publishers for supplying copies in time for the conference.

We are thankful to all the funding agencies and sponsors for their generous support and all those who worked hard to make this conference a grand success.

20 March 2010

Editors

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