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Solid-State Ionics—2006

Editors: Enrico Traversa, Timothy R. Armstrong, Christian Masquelier and Yoshihiko Sadaoka
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**MATERIALS RESEARCH SOCIETY
SYMPOSIUM PROCEEDINGS VOLUME 972**

Solid-State Ionics—2006

Symposium held November 27–December 1, 2006, Boston, Massachusetts, U.S.A.

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PREFACE

This proceedings volume contains invited and contributed papers presented at Symposium AA, "Solid-State Ionics," held November 27–December 1 at the 2006 MRS Fall Meeting in Boston, Massachusetts. The scope of the symposium was to give the state-of-the-art in the field of Solid-State Ionics, as a continuation of a series of biennial rendezvous at the MRS Fall Meetings, focusing on research related to ionically conducting (e.g., protons, oxygen ions) materials and devices. Contributions at the symposium encompassed fundamental materials R&D, characterization and materials for batteries, sensors, membranes, and fuel cells. Special emphasis was given to the development of high-temperature proton conductors and their application in solid oxide fuel cells and hydrogen permeation membranes. The success of the symposium was supported by the fact that only two papers were withdrawn from the oral program. Joint Sessions were organized with Symposium BB, "Mobile Energy," and with Symposium QQ, "Solid-State Chemistry of Inorganic Materials VI."

We thank all the authors who contributed to this proceedings volume for their excellent work, as well as all the other presenting authors who contributed to this symposium's success. We hope this volume will stimulate increased scientific and technological interest in solid-state ionics.

Enrico Traversa
Timothy R. Armstrong
Christian Masquelier
Yoshihiko Sadaoka

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