

FOREWORD

SPECIAL ISSUE ON THE INTERNATIONAL TOPICAL MEETING ON ADVANCES IN THERMAL HYDRAULICS (ATH'14)

Guest Editor

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This special issue of *Nuclear Technology* contains full-length, peer-reviewed papers presented at the International Topical Meeting on Advances in Thermal Hydraulics (ATH'14), held in conjunction with the 2014 American Nuclear Society (ANS) Annual Meeting in Reno, Nevada, on June 15–19, 2014. This embedded topical meeting was the second in its series organized by the Thermal Hydraulics Division of ANS and covered recent advances and new developments in nuclear thermal hydraulics.

The papers featured in this issue were selected from a set of the top-scoring papers from ATH'14. The first paper, “Experiments on the Effects of a Spacer Grid in Air-Water Two-Phase Flow,” by Joshua Wheeler, Ted Worosz, and Seungjin Kim, received the ANS Thermal Hydraulics Division Best Paper award. Topics in this issue include experimental, computational, and analytical evaluations of various aspects of thermal-hydraulic phenomena related to the practical application of nuclear science and technology. Many of the papers in this issue have been revised from their original form and have been expanded to include additional content. Readers will find these topics of great interest and will derive significant value from this compilation.

On behalf of the ATH'14 organizers, Kurshad Muftuoglu and Jong H. Kim—General Chairs; Horst-Michael Prasser—Technical Program Co-Chair; and Seungjin Kim and Elia Merzari—Assistant Program Co-Chairs, we would like to extend a heartfelt thanks to the reviewers who volunteered their time and expertise to reviewing the papers contained in this ATH'14 special issue of *Nuclear Technology*.