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Preface

This Second Symposium on Nuclear Fuels and Structural Materials for Next Generation Nuclear Reactors (NFSM-2) was held as an Embedded Topical within the American Nuclear Society Annual Meeting, held June 10–12, 2008, in Anaheim, California, USA. This symposium followed two broad themes set out at the first NFSM symposium held in Reno in 2006. The primary goal was to encourage interaction between materials scientists and the larger nuclear community through presentation, in an accessible manner, of recent progress and emerging materials technologies in the nuclear arena. As with the NFSM-1 this proved to be quite successful as measured by the attendance from the general ANS audience. The second purpose of this series was to foster cross-talk between the fuels and structural materials communities on a technical level, two groups that historically do not closely interact. Consolidating nearly all of the technical presentations into a poster session and actively encouraging interaction and discussion among participants accomplished this goal. As a result of this format, the majority of the technical papers resulting in this special edition were from the NFSM-2 poster session.

The organizers and editors would like to thank the participants who offered their papers for the Proceedings of this symposium, and fellow researchers who reviewed these papers.

Lance Snead
Bill Wiffen

*Oak Ridge National Laboratory,
P.O. Box 2008, Oak Ridge,
TN 37831-6138, USA*

E-mail address: wiffenfw@ornl.gov (B. Wiffen)

Todd Allen
*University of Wisconsin,
Madison, WI, USA*