

Preface

SIF2008 continues the series of biennial international conferences organized by the Australian Fracture Group (AFG), starting in 1974. Following SIF2006 in Sydney, SIF2008 is combined with the International Conference on Failure Analysis and Maintenance Technologies (ICFAMT), which has run in 2002 and 2004 and was created by Materials Australia in response to a growing industry demand to consider the advancement of technologies used to avoid failure.

This special issue contains the papers that have been reviewed and accepted for oral presentations at SIF2008, July 9 – 11, 2008, Perth, Australia. Those papers, from Australia, Canada, China, Europe, Japan, Korea, New Zealand and US, have been grouped into five categories: (1) Bio- and Nano- Materials, (2) Fracture and Fatigue, (3) Ceramic, Concrete and Rock, (4) Composites, and (5) Structural Integrity.

The Editors would like to thank the Members of the International Advisory Committee, and the Local Organizing Committee for their supports including the review of all papers contained in this special issue.

We wish to thank the following for their contribution to the success of this conference: US Air Force Office of Scientific Research, Asian Office of Aerospace Research and Development (AFOSR/AOARD), the Australian Fracture Group, Materials Australia, the University of Western Australia, and CRC- Centre for Integrated Engineering Asset Management (CIEAM).

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