

The November 1998 issue of the *Journal of Heat Transfer* marks a shift in our editorial policy. The Journal and the Heat Transfer Division have been criticized, rightly or wrongly, for not paying sufficient attention to the needs and interests of our industrial readers. We have addressed the issue in the past by attempting to enlist members of the Division who are from industry as Associate Editors of the Journal. However, it is often more difficult for our industrial colleagues to devote time to this activity given the differing reward structures in industry and academia.

This issue marks a different approach to industrial involvement. Because the field of heat transfer is extremely broad, the JHT Editorial Board has solicited papers that outline the unresolved problems that are found in particular heat transfer applications. The search for such papers began under the previous Technical Editor, Prof. Ray Viskanta, and we continue to seek such submissions. We have found it valuable to look for author teams involving one member from the academic community and another with industrial or commercial insight.

The first set of these papers is highlighted in this issue and deals with challenges, applications, and research needs concerning heat transfer in living systems; in aircraft brake systems; and in electronic packaging. These special articles are not meant to be reviews; in fact, the Journal generally does not entertain publication of review articles, as there are many other outlets for such papers. The articles in the special section are aimed

instead at defining problems and challenges in particular fields of heat transfer application. We plan to highlight additional papers in future issues.

I would be remiss if I did not recognize the help of Prof. Yogesh Jaluria of Rutgers University. Yogesh, as Special Projects Editor, has been instrumental in soliciting these special articles and following through on the review process.

We hope these papers will prove helpful to those seeking new research opportunities in heat transfer, and that they will also show the growth of the field into challenging and exciting areas.

As an additional feature in this issue, we have grouped a number of papers into a special section on Manufacturing and Materials Processing to indicate the interest in this area of heat transfer application and research.

The Journal will continue to emphasize and publish articles that deal with fundamental advances in heat transfer, new physical insights, and novel experimental and analytical methods. This will always be the chief objective of JHT. We hope, however, that special papers that examine the many challenges and opportunities in the field will be of interest and help to our readers. We welcome response and comments on this question from our subscribers and readers.

**John R. Howell**  
Technical Editor