



# Editorial

With this issue we welcome Dr. Erik K. Antonsson to our staff of associate technical editors. Dr. Antonsson joined the Journal on July 1, 1989. He will be responsible for the review of manuscripts in the expanding areas of design theory and methodology. Also, at least during the current transition period, he will be responsible for the areas of stress and reliability in design, which this Journal is taking over from our sister journal, the *Journal of Vibration, Acoustics, Stress, and Reliability in Design*. This transfer becomes effective with the first issues of the journals in 1990. As most of our readers should now be aware, at that time both journals will also be changing their names. This Journal will become the *Journal of Mechanical Design*, as is foreshadowed by the subtitle on the cover. Our sister journal will become the *Journal of Vibration and Acoustics*. In order to allow adequate time for review and production of manuscripts, this Journal is now accepting manuscripts for review in the areas of stress and reliability in design. Manuscripts in these areas submitted to the *Journal of Vibration, Acoustics, Stress, and Reliability in Design* are being forwarded to me for review by this Journal.

Dr. Antonsson will also take responsibility for manuscripts which properly fall under the heading of "Mechanical Design" but do not exactly fit the area of any of our contributing technical committees. In this role he will play a key part in our efforts to structure the Journal as a comprehensive archive for work in the area of mechanical design. We feel that it is important for the design community to have a readily identifiable archive for the most important research in this field. We also feel that, as one of the two journals of the ASME Design Division, and as the one which is structured to provide broad technical coverage, the *Journal of Mechanical Design* should be that archive.

Design is, of course, very central to the role of an engineer. A rather broad paraphrase of a statement by Herbert Simon in *The Sciences of the Artificial* is "Science is the study of what is. Engineering is the creation of what is to be." This creative or synthetic activity, which distinguishes an engineer from a scientist, largely falls in the areas of design and manufacture. Design and manufacture are intimately related. Design is the planning portion of the manufacturing process. Obviously, the importance of design is inescapable in any attempt to advance engineering practice and our technical industries. The *Journal of Mechanical Design* aspires to a leading role in the advancement of mechanical engineering practice by presenting the most important new research results which relate to mechanical design.

Kenneth J. Waldron  
Technical Editor