



EDITORIAL

CEMENT and CONCRETE RESEARCH: 1996 and Beyond

Last month we advised you of the new look for *Cement and Concrete Research* in 1996, not only the journal's new cover, but also the changes inside. 1994 and 1995 were important transition years for the journal, initiating a number of changes in the style of the journal, its increased pages, increased frequency of publication, and bringing on board several new Editorial Board members to play a major role in the process. With Vol. 26, No. 1, we bring the promised new cover, and begin a monthly publication frequency. These and other changes will help bring new research results to your attention on a more timely basis.

Now, what else can you anticipate inside? For the attention of authors, in particular, we would like to call your attention to some modification in the method of manuscript preparation and publication to facilitate a transition to electronic publishing. Authors are now encouraged to submit their final manuscripts on disk as well as the usual hard copy version which must, of course, be identical. Please refer to the more detailed instructions in the back of the journal to assist you in manuscript preparation. The new procedure should be relatively routine for most authors who now use good quality word processors/desk-top publishing in preparation of their manuscripts. Both Macintosh and PC version will be acceptable to assure maximum flexibility.

What else inside? First, we expect to continue to include high quality papers from authors across the broad field of cement and concrete research, as defined in the Aims and Scope. It has become fashionable to hold meetings and symposia on topics such as Cement and Concrete for the 21st Century. Tremendous progress in our understanding has indeed been made during the past few years; and already much of the content of *Cement and Concrete Research* is focused on studies to generate the necessary knowledge to assure that "high performance cement" and "high performance concrete" will become the common place. We expect increasingly the subject matter of the journal to be in line with this thrust, reporting the results of research which is directed to providing deeper understanding of cement and concrete, ranging from

- the science and technology of cement manufacture
- kiln processing
- the hydration behavior of various types of cement, individual components, admixtures, substitutes
- the microstructure and nanostructure of hydrated cement and its composites

to those additional factors influencing the performance of concrete, such as

- fracture and failure mechanisms
- corrosion and durability, and
- the interrelation between composition, and structure and the prediction of performance.

An understanding of the fundamentals of behavior of cementitious materials as they apply to the prevention and remediation of environmental problems is expected to become increasingly important. Not least, bringing to this task the application of a vast cadre of sophisticated instruments and analytical methods to aid in this understanding is expected to play an increasingly dominant part in what the reader will find within these pages.

We look forward to interacting with authors and readers during 1996 and beyond, and hope you will all be pleased with the "new look" and increased frequency of the journal.