ANNOUNCEMENTS

CALL FOR PAPERS

ADVANCES IN PARTIAL DIFFERENTIAL EQUATIONS
(An Annual Special Issue of *Computers & Mathematics with Applications*)

Papers dealing with both theoretical and computational studies on partial differential equations are welcome, as are interesting and novel applications. For submission guidelines see "Notes for Contributors" and "Manuscript Requirements" in any issue of *Computers & Mathematics with Applications*.

Send: Three copies of each article.
Deadline: 31 December, each year.
All papers will be refereed.

Send articles to: Professor S. K. Dey
Editor of Advances in Partial Differentiation Equations
Department of Mathematics
Eastern Illinois University, Charleston
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Tel. (217) 581-3217

ASE 89

APPLICATIONS OF SUPERCOMPUTERS IN ENGINEERING

Southampton University, England
5–7 September 1989

The revolutionary aspects of the next generation of computers are not fully appreciated by scientists and engineers. The new supercomputers not only increase the size of the problems which can be solved but also require a different computational approach to obtain the most efficient results.

This international conference is convened to increase the awareness of the potential of the new supercomputers amongst scientists and engineers.

Papers are invited on the following topics, and abstracts should reach the organisers by 30 December 1988.

* Computer architecture and current supercomponents
* Use and development of transputers
* Case studies in hydrodynamics, groundwater, environmental sciences, etc.
* New parallel algorithms for finite differences and finite and boundary element methods
* Optimization problems
* Structural and dynamic analysis including crash and impact simulation
* Applications in automotive engineering
* Use of supercomputers in CAD and CIM
* Benchmarks and comparison between different processors
* Fluid dynamics and atmospheric science applications
* Expert system applications
* Future trends

For further information, please contact Liz Newman, Conference Secretary, Computational Mechanics Institute, Ashurst Lodge, Ashurst, Southampton, SO4 2AA, England. *Tel.* (042129) 3223; *Telex* 47388 Attn COMPMECH; *Fax.* (042129) 2853.