

ANNOUNCEMENT

IUTAM SYMPOSIUM ON INVERSE PROBLEMS IN ENGINEERING MECHANICS

Tokyo, Japan
11–15 May 1992

Co-sponsored by IUTAM, Japanese Societies (ASJ, JASCOME, JSASS, JSIAM, JSME, JSNI, JSPE, JSST, JSTP), Ecole Polytechnique, Electricité de France.

Co-chairmen: M. Tanaka (Japan) and H. D. Bui (France).

International Scientific Committee: J. D. Achenbach, A. Bamberger, C. A. Brebbia, H. D. Bui, G. M. L. Gladwell, F. Hartmann, S. Kubo, G. Maier, K. Miya, J. Orkisz, M. Tanaka, F. Ziegler.

Scope: The Symposium will provide an opportunity for fruitful discussion on inverse problems in engineering sciences, particularly in material sciences, structural mechanics and other fields relating to applied mechanics, to make a breakthrough in computational and experimental approaches to inverse problems. The main topics of the Symposium are as follows:

- Computational and experimental aspects of inverse problems;
- Non-destructive inspection or evaluation;
- Identification of contact stresses;
- Identification of initial or residual stresses;
- Identification of material properties and constitutive laws;
- Shape optimization and sensitive analysis;
- Inverse problems in process engineering;
- Inverse problems in metal forming;
- Inverse problems in dynamics;
- Active or semi-active control of noise and vibration;
- Inverse problems in bio-engineering;
- Image and data processing;
- Other topics relating to inverse problems.

The formal language of the Symposium will be English. The Symposium book including the selected papers will be published by Springer-Verlag after the Symposium, while the book form of extended abstracts of all the papers to be presented will be distributed for attendees at the Symposium. Useful information will be provided by the Symposium secretariat (reply form, accommodation, etc...).

Important dates

Submission of extended abstract of three pages (including name and affiliation):
11 November 1991.

Submission of the final accepted manuscript: the final Symposium day, 15 May 1992.

For further information, please contact the Symposium secretariat:

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