FORTHCOMING PAPERS

Investigation of Gain and Hyperfine Splitting in the Niobium X-Ray Laser

J. C. Moreno, J. Nilsen, J. A. Koch, B. J. MacGowan, J. H. Scofield, L. B. Da Silva (USA)

X-Ray Lasers as Sources for Resonance-Fluorescence Experiments

J. A. Koch, R. W. Lee, J. Nilsen, J. C. Moreno, B. J. MacGowan, L. B. Da Silva (USA)

Hydrogen-Like Recombination X-Ray Lasers Using ps Pulse Drivers

J. Zhang, M. H. Key (UK)

Applied Physics A 57, No. 6 (1993)

Call for Papers

Time-Resolved Vibrational Spectroscopy

In the last several years impressive progress in vibrational spectroscopy has been made. Especially infrared and Raman methods provide a time resolution as high as some tens of femtoseconds, shorter than one vibrational period. New techniques enhancing sensitivity and accuracy have been developed, some of which are widely applicable.

Many new results are obtained with these methods elucidating the relaxation dynamics of vibrational and rovibrational states in different environments. Dissociation and photophysical processes, excited states as well as reaction channels are investigated. Notable progress in the theoretical interpretation of the experimental results has been made, too.

In order to obtain an overview of the present state-of-the-art in this field, a feature issue of **Applied Physics B** will be dedicated to research work on time-resolved vibrational spectroscopy. It will comprise both invited and contributed papers solicited in the areas mentioned above.

Deadline for submission

February 15, 1994.

Contributors are asked to pay attention to the formal requirements for publication in Applied Physics, as they are outlined in each issue. All papers submitted will be refereed.
Contributions to this feature issue should be submitted directly to the guest editor:

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Papers received and/or accepted too late will be published in subsequent (regular) issues.