

PROCEEDINGS



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Optical Fibres and Their Applications IV

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Editors

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OPTICAL FIBRES AND THEIR APPLICATIONS IV

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INTRODUCTION

Optical Fibres and Their Applications IV was the fourth in a planned series of symposia dealing with state-of-the-art advancement in this technological area. Historically, this series of symposia has evolved since 1976 due to the activity of the Committee of Electronics and Telecommunications of the Polish Academy of Sciences and the support of the Ministry of Telecommunications.

The Optical Fibres and Their Applications proceedings series has grown to fifteen volumes since 1976. This one is the fifteenth. Eight of these volumes have been published in English. The next symposium in the series, which is planned for Warsaw in February 1988, will provide material for at least three additional volumes. The usual scope of presentations at the symposia covers all aspects of fibre, integrated, and guided wave optics such as:

- theory and technology of optical fibres and cables
- components for fibre optic applications
- optical fibre communications: devices, circuits, and systems
- optical fibre and integrated sensors
- integrated optoelectronic circuits
- industrial, utility, and biomedical applications for fibre optics.

The fourth symposium on Optical Fibres and Their Applications was held in the Palace of Culture and Science in Warsaw on 11–13 February 1986. Approximately 300 national participants attended as well as foreign guests, lecturers, and participants from 12 countries. Professor Adam Smoliński, Honorary Chairman of the symposium, opened the meeting. Professor Władysław Majewski, the Minister of Telecommunication, discussed the state of Polish telecommunications and the prospects for the future of optical fibre technology. Professor Andrzej Zieliński, Chairman of the symposium, presented the introductory remarks. The opening lecture on "Optical Fibres for Sensors and Lasers" was given by Professor W. A. Gambling of the University of Southampton.

The editors of this volume present English versions of chosen papers from Polish authors originating primarily from university-based laboratories. The papers were presented in a poster session during the symposium. The volume also contains an introductory paper prepared by the symposium chairmen that summarizes the main achievements of the event.

The Symposium Committee wishes to extend thanks to all authors of papers presented in this volume for assuming an active role and, thus, making this publication possible. Special thanks are also due SPIE for supporting the symposium by undertaking the publication of this volume. The Symposium Committee cordially invites the audience to participate in the next Symposium in this international series, "Optical Fibres and Their Applications V," in Warsaw in February 1988.

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