Please, send all the correspondence to the Conference Secretary:

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Please, visit our website:
www.ifpan.edu.pl/II-VI-2005
The 12th International Conference on II-VI Compounds will be jointly organized by the Faculty of Physics of the Warsaw University and the Institute of Physics of the Polish Academy of Sciences and will be held at Warsaw University on September 12-16, 2005. The Conference will be a continuation of a successful series of topical, truly international conferences which started in Durham (UK) in 1983 and through two decades of serving the semiconductor physics community were organized in various European countries as well as in U.S. and Japan. The main goals of this series of conferences are to provide a well organized international forum to review and stimulate the progress in basic and applied research on II-VI compounds, to facilitate the exchange of new ideas and to establish new scientific contacts and international consortia aimed at solving outstanding basic and applied problems. These conferences have also served educational purposes by attracting PhD students from various countries.

II-VI semiconductors provide a variety of unique optical, electrical, and magnetic properties. The conference will cover all aspects of basic and applied research on wide- and narrow-gap II-VI compounds and their alloys, including diluted magnetic semiconductors. Special emphasis will be given to various low dimensional quantum structures and new technological and application concepts (e.g., spintronics, ultrafast magnetooptical phenomena, quantum dots, infrared and visible range detectors, light emitting structures, and new materials for radiation detection).

TOPICS

- Growth and characterization
- Doping and defects
- Theory and band structure
- Optical and electrical properties
- Magnetism and spintronics
- Wide bandgap materials
- Infrared, visible and radiation detectors
- ZnO-based materials and structures
- Quantum dots and nanocrystals
- II-VI organic biomaterials
- Hybrid structures
- New devices

The Conference will be conducted in accordance with IUPAP principles as stated in the ICSU-Document “Universality of Science” (sixth edition, 1989) regarding the free circulation of scientists for international purposes. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality, or political considerations unrelated to science.

DEADLINES

Abstract submission: March 31, 2005

Instructions concerning electronic submission will be given on the website:
www.ifpan.edu.pl/II-VI-2005

PROCEEDINGS

The proceedings of the Conference will be published in special issue of *physica status solidi*.

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