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# **NATO Advanced Research Workshop** **“Dimensionality effects and non-linearity in ferroics”, October 19-22, 2004, Lviv, Ukraine**

## **Directors:**

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## **Scope**

The major goal of the Workshop is to assemble the researchers from different branches of physics in order to discuss the problems of fundamental physics and the practical usage of new effects, which take place or can be realized in ferroelectric systems with low dimensionality or of finite size (thin films, nanostructures), with special attention paid to the dielectric and optical non-linearity related to the domain phenomena and the effects of external factors. It is also very desirable to bring the researchers from partner countries in contact with this domain of science and thus urge them to be an active part of this field. We hope that the contacts established during the meeting will find continuation thereafter and will promote the advances in the technology of ferroelectric materials and their application in various security-related directions.

## **Summary of the main topics**

- Low-dimensional ferroelectric systems, thin films
- Finite size effects in ferroic systems
- Domain phenomena
- External fields effects in ferroics, non-linear phenomena
- Technological applications of ferroic systems

## **Organizer**

The Workshop is sponsored by NATO under Programme for Security Through Science Programme and is supported by Institute of Condensed Matter Physics (Lviv, Ukraine) and Institute of Chemistry of Rennes (Rennes, France).

## **Information and correspondence**

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