***Vacant postdoctoral position in the field of processing and characterization of ferrolectric and related ceramic materials!***

The Electronic Ceramics Department K-5 is seeking for a postdoctoral fellow in a basic research project.

The research work will consist of a preparation and characterization of ferroelectric and related ceramic materials, including structural and microstructural characterization, and measurements of functional properties of the ceramic elements. The studies will be carried out using analytical methods, such as X-ray powder diffraction analysis, scanning electron microscopy, transmission electron microscopy with atomic resolution, and measurements of electrical, electromechanical and electrocaloric properties of the prepared ceramic samples.

The research project is specifically related to the development of complex ceramic materials for combined electrocaloric and actuator applications.

The research will mainly take place at the department with short visits in foreign laboratories. The candidate will also have a possibility to attend and contribute at international conferences.

We are searching preferably (but not exclusively) candidates with a doctoral degree in fields related to materials science. The candidate should be familiar with laboratory work and should have a basic knowledge of the mentioned analytical methods.

We can employ immediately for a period of one year with a possibility of prolongation for an additional year.

We ask those that are interested for sending us a CV, motivation letter and letters of recommendations to the e-mail address tadej.rojac@ijs.si.