Contribution ID: **132** Type: **Poster**

SURFACE MODIFICATION OF PZT CERAMICS BY HYDROGEN ATOMS

Abstract: The process of surface modification of PZT ceramics by hydrogen atoms of thermal energies has been investigated. The change in surface electrical conductivity of the PZT ceramics by hydrogen atoms was studied. It was found that the change of the surface electrical conductivity was the result of reducing the surface layer of PZT ceramics. Mechanism of surface electrical conductivity for reduced PZT ceramics was discussed.

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Track Classification: Physics of Semiconductors and Dielectrics, Semiconductor's Devices