

LIST OF POSTERS

- P1. M. Adamczyk, A.Zawada, M.Pilch, L.Kozielski**
INFLUENCE OF POST SINTERING ANNEALING ON RELAXOR PROPERTIES
BaBi₂Nb₂O₉ CERAMICS.
- P2. A. Tkach, A. Almeida, J. Agostinho Moreira, J. Perez de la Cruz,
Y. Romaguera- Barcelay, P. M. Vilarinho**
DIELECTRIC RESPONSE AND LOW DIMENSIONAL POLARON-HOPPING IN
SODIUM TANTALATE.
- P3. M. Bińczyk, L. Gorczyca, T. Runka, M. Berkowski**
FIRST-ORDER PHASE TRANSITION IN SM AND Al DOPED LaGaO₃
CRYSTALS EXAMINED BY RAMAN SPECTROSCOPY.
- P4. F. Borodavka, I. Gregora, J. Hlinka, A. Bartasyte**
PFM AND RAMAN STUDY OF FERROELECTRIC DOMAIN STRUCTURE IN
PbTiO₃ FILMS.
- P5. Andrzej Broślawski**
PRELIMINARY DIELECTRIC INVESTIGATIONS OF PbZr_{1-x}Ti_xO₃ SINGLE
CRYSTALS FOR 0 < x < 0.10.
- P6. A. Bubnov, V. Hamplová, M. Kašpar, F. Giesselmann, M. Glogarová**
EFFECT OF THE MOLECULAR CORE STRUCTURE ON MESOMORPHIC
PROPERTIES: LACTIC ACID DERIVATIVES WITH SEMI-FLUORINATED NON-
CHIRAL CHAIN.
- P7. Renata Bujakiewicz-Korońska**
AB INITIO CALCULATIONS FOR THE TETRAGONAL PbZr_{0.5}Ti_{0.5}O₃
- P8. P. Simeão Carvalho, M. Rodrigues, E. F. Marques**
LIQUID CRYSTALLINE PHASE IN CATIONIC SURFACTANTS.
- P9. Dorota Dardas, Kamila Nowicka, Ewa Chrzumnicka, Eryk Wolarz**
PHASE IDENTIFICATION OF FLUORINE-SUBSTITUTED SMECTICS
FOR APPLICATION IN LIQUID CRYSTAL DISPLAYS.
- P10. K. Chybczyńska, E. Markiewicz, B. Hilczer, B. Andrzejewski, A. Pietraszko**
COMPARISON OF BiFeO₃ CERAMICS OBTAINED FROM
MECHANOCHEMICALLY SYNTHESIZED NANOPOWDERS AND BiFeO₃
CERAMIC MICRO- CUBES OBTAINED FROM MICROWAVE-
HYDROTHERMAL SYNTHESIS.

- P11. A. Ciżman, R. Poprawski, A. Sieradzki, T. Marciniszyn**
SIZE EFFECTS ON THE PHYSICAL PROPERTIES AND PHASE TRANSITIONS IN
AHS EMBEDDED INTO THE POROUS GLASSES.
- P12. M. Czerwiński, M. Tykarska, A. Chelstowska, M. Żurowska**
THE INFLUENCE OF STRUCTURE AND CONCENTRATION OF DOPANTS
ON HELICAL PITCH AND HELICAL TWIST SENSE IN ORTHOCONIC
ANTIFERROELECTRIC MIXTURES
- P13. Dorota Dardas, Kamila Nowicka, Wojciech Kuczyński**
EXAMINATION OF THREE SMECTICS FROM THE POINT OF VIEW OF
APPLICATIONS.
- P14. Kamila Nowicka, Dorota Dardas, Jerzy Hoffmann, Anna Modlińska**
HIGH ELECTRIC PERMITTIVITY OF A CHIRAL SMECTIC C ALPHA SUB-
PHASE IN A NEW MIXTURE $MixKS1$.
- P15. J. Dec, S. Miga, W. Kleemann, V.V. Shvartsman, T. Łukasiewicz**
ANISOTROPIC BREATHING MODE IN THE DIELECTRIC RESPONSE OF THE
STRONTIUM-BARIUM NIOBATE UNIAXIAL RELAXOR CRYSTAL
- P16. J. Drahokoupil, V. Goian, S. Kamba, O. Pacherová, M. Dušek, I. Palatinus,**
A. Fuith, W. Schranz, M. Kachlík, K. Maca, A. Shkabko, A. Weidenkaff
ANTIFERRODISTORTIVE PHASE TRANSITION IN $EuTiO_3$
- P17. J. Erhart**
ELECTROMECHANICAL COUPLING FOR THE PARTIALLY ELECTRODED
CERAMICS RESONATORS
- P18. A. Gagor, M. Węclawik, A. Piecha, R. Jakubas, A. Pietraszko**
PHASE TRANSITIONS TO MODULATED STRUCTURES IN RMX_4 CRYSTALS
(R:ORGAPHASE TRANSITNIC CATION, M:Bi, Sb; X:Cl, I).
- P19. V. Goian, S. Kamba, M. Savinov, D. Nuzhnyy, P. Vaněk, F. Borodavka,**
A. A. Belik
STRUCTURAL PHASE TRANSITION IN $BiMnO_3$ CERAMICS.
- P20. Y. González-Abreu, A. Peláiz-Barranco, P. Saint-Grégoire**
CRYSTAL STRUCTURE REFINEMENTS OF THE THREE-LAYER AURIVILLIUS
CERAMIC $SrBaBi_2Nb_2TiO_{12}$ USING X-RAY DIFFRACTION.
- P21. I. Gruszka, A. Kania, S. Miga**
PREPARATION, DIELECTRIC PROPERTIES AND PHASE TRANSITIONS OF
MULTIFERROIC $PbFe_{1/2}Ta_{1/2}O_3$ CERAMICS AND SINGLE CRYSTALS.
- P22. A. Chuchmała, A. Hreniak, M. Palewicz, A. Iwan**
IMPEDANCE SPECTROSCOPY OF LIQUID CRYSTALLINE
POLYAZOMETHINES BLENDED WITH SiO_2 .

- P23. Włodzimierz Śmiga, Irena Jankowska-Sumara, Maris Livinsh**
ELECTRICAL AND MICROSTRUCTURAL PROPERTIES
OF A POLYCRYSTALLINE $\text{Li}_{0.008}\text{Na}_{0.992}\text{NbO}_3$ SOLID SOLUTION.
- P24. V. Janovec**
SPONTANEOUS PROPERTIES IN ALL AIZU'S SPECIES.
- P25. Marek Szafranski, Marcin Jarek**
TRANSITION FROM POLAR TO NONPOLAR PHASE IN GUANIDINIUM
IODIDE.
- P26. M. Jarek , M. Szafranski**
DIELECTRIC RESPONSE OF GUANIDINIUM METHOXY-SULFONATE UNDER
HYDROSTATIC PRESSURE
- P27. A.Jasik, S.M. Kaczmarek, K. Matyjasek, J. Barczyński**
EFFECT OF CR AND MN DOPING ON FERROELECTRIC AND DIELECTRIC
PROPERTIES OF $\text{Li}_{1.72}\text{Na}_{0.28}\text{Ge}_4\text{O}_9$ SINGLE CRYSTALS.
- P28. S. Kamba, V. Goian, P. Vaněk, J. Drahokoupil, F. Borodavka, C. Adamo,
C.M. Brooks, A. Melville, D.G. Schlom**
SEARCH FOR NEW STRAIN-INDUCED MULTIFERROICS WITH HIGH
CRITICAL TEMPERATURES.
- P29. A.Klíč, I. Rychetský**
EFFECTIVE DIELECTRIC RESPONSE OF ANISOTROPIC GRAINS OF CLOSE-
PACKED STRUCTURE.
- P30. B.Fugiel, S.Komraus, T.Kikuta**
TRANSVERSE FIELD EFFECT IN UNIAXIAL FERROELECTRICS –
EXPERIMENT AND THEORY.
- P31. Miloš Kopecký, Jan Fábry, Jiří Kub**
X-RAY DIFFUSE SCATTERING IN SrTiO_3 AND MODEL OF ATOMIC
DISPLACEMENTS.
- P32. M. Adamczyk, L.Kozielski, M. Pawelczyk**
INFLUENCE OF VANADIUM DOPANT ON RELAXOR BEHAVIOUR OF
 $\text{BaBi}_2\text{Nb}_2\text{O}_9$ CERAMICS.
- P33. E. Markiewicz, B. Hilczer, K. Szot**
THE MECHANISM OF RESISTIVE SWITCHING IN BiFeO_3 SINGLE CRYSTAL.
- P34. K. Matyjasek, Z. Czaplá**
TEMPERATURE DEPENDENCE OF POLARIZATION SWITCHING IN
DEUTERATED GLYCINE PHOSPHITE SINGLE CRYSTALS.

- P35. J. Oliveira, J. Agostinho Moreira, A. Almeida, M. R. Chaves, P. B. Tavares**
IN RARE-EARTH MANGANITES ARE CHANGES OF THE TILT ANGLE
ENOUGH TO UNDERSTAND PHASE DIAGRAMS?
- P36. P. Perkowski, M. Mrukiewicz, K. Garbat, M. Laska, W. Piecek, R. Dąbrowski**
DIELECTRIC BEHAVIOR OF DUAL-FREQUENCY NEMATIC
AT EXTRA LOW TEMPERATURES.
- P37. P. Perkowski, M. Mrukiewicz, W. Piecek**
LOW TEMPERATURE INFLUENCE ON DIELECTRIC SPECTROSCOPY
MEASUREMENTS OF DUAL FREQUENCY MIXTURE.
- P38. Renata Bujakiewicz-Korońska, Dawid M. Nalecz**
FIRST PRINCIPLES CALCULATIONS OF IDEAL AND DEFECTED BiMnO_3 .
- P39. P. Niemiec, R. Skulski, D. Bochenek, P. Wawrzala**
DIFFUSED AFE/RFE/PE PHASE TRANSITIONS IN
 $(\text{Pb}_{0.88}\text{Ba}_{0.1}\text{La}_{0.02})(\text{Zr}_{0.6}\text{Sn}_{0.4-x}\text{Ti}_x)_{0.995}\text{O}_3$ CERAMICS OBTAINED FROM OXIDES
AND CARBONATES.
- P40. A. Kania, A. Niewiadomski, G. E. Kugel**
SOFT MODES IN FERROELECTRIC Bi_2WO_6 SINGLE CRYSTALS.
- P41. P. Ondrejko, J. Hlinka, M. Kempa, J. Kulda, J. Dec**
RELAXATIONS IN CUBIC AND TETRAGONAL RELAXORS.
- P42. A. Ostrowski, W. Bednarski, S. Waplak**
EPR STUDY OF STRUCTURAL PHASE TRANSITION IN $\text{K}_3\text{H}(\text{SO}_4)_2$.
- P43. P. Perkowski, A. Bubnov, M. Mrukiewicz, V. Hamplová, W. Piecek, M. Kašpar**
DIELECTRIC SPECTROSCOPY OF A LACTIC ACID DERIVATIVE EXHIBITING
THE FRUSTRATED SmQ^* PHASE.
- P44. R. Mazur, P. Morawiak, W. Piecek, P. Perkowski, A. Spadło, M. Żurowska,
L. Jaroszewicz**
THE DISPERSIVE MODE OF THE ORTHOCONIC ANTIFERROELECTRIC
SMECTIC FOR 3D SPECTACLES.
- P45. W. Piecek, V. Hamplova, M. Zgutka, R. Mazur, A. Bubnov, M. Żurowska,
P. Perkowski.**
OPTICALLY DRIVEN ORTHOCONIC ANTIFERROELECTRIC SMECTIC
STRUCTURE FOR PHOTONIC APPLICATIONS.
- P46. A. Piecha, A. Bialońska, R. Jakubas**
A NOVEL ORGANIC-INORGANIC HYBRID FERROELECTRIC; $(\text{C}_3\text{N}_2\text{H}_5)_2\text{SbCl}_5$.

- P47. R. J. Radwanski, D. M. Nalecz, Z. Ropka
MAGNETIC PHASE TRANSITIONS IN LAYERED PEROWSKITES K_2FeF_4 ,
 K_2CoF_4 AND K_2NiF_4 .**
- P48. I. Rafalovskyi, M. Guennou, I. Gregora, M. Savinov, J. Kroupa, J. Hlinka
POLARIZATION SWITCHING IN PMN-PT SINGLE CRYSTALS.**
- P49. M. Savinov, E. Buixaderas, S. Kamba, K. Nejezchleb
DIELECTRIC PROPERTIES OF UNDOPED AND “HARD” PZT CERAMICS:
EFFECT OF POLING, AGING AND ANNEALING ATMOSPHERE.**
- P50. A. Sieradzki, D. Szewczyk, A. Jeżowski, R. Poprawski, A. Ciżman
EVIDENCE OF THE FERROELASTIC PHASE TRANSITION IN
 Na_2TiGeO_5 CERAMICS.**
- P51. Izabela Śliwa, Wojciech Wanarski
THE MODEL OF FERROELECTRICITY IN THIOUREA MONOCRYSTAL.**
- P52. J. Suchanicz, I. Faszczowy, A. Sternberg
UNIAXIAL STRESS DEPENDENCE OF THE DIELECTRIC AND
FERROELECTRIC PROPERTIES OF THE $Na_{0.5}K_{0.5}NbO_3$ AND
 $Na_{0.5}K_{0.5}NbO_3+0.5\%MnO_2$ CERAMICS.**
- P53. Paweł E. Tomaszewski
THE ABSOLUTE VALUE OF CRITICAL GRAIN SIZE - DOES IT EXIST?**
- P54. Z. Tylczyński, M. Wiesner
LONG TIME DEPENDENCE OF COMPLEX DIELECTRIC PERMITTIVITY IN
TRIGLYCINE - ZINC CHLORIDE CRYSTAL BELOW ROOM. TEMPERATURE**
- P55. Z. Tylczyński, N. Walkowiak
LOW TEMPERATURE DOMAIN WALLS RELAXATION IN TGSe CRYSTAL.**
- P56. M. Węclawik, A. Piecha, A. Gągor, R. Jakubas
CRYSTAL STRUCTURE AND CHARACTERIZATION OF IMIDAZOLIUM
IODIDE $[C_3N_2H_5^+][I^-]$.**
- P57. K. Wolska, M. Adamczyk, L. Kozielski
ANALYSIS OF PHASE TRANSITION DATA FOR Bi_3TiNbO_9 - $BaBi_2Nb_2O_9$
CERAMICS.**
- P58. W. Zapart, M.B. Zapart, W. Schranz, M. Reinecker
LOW TEMPERATURE PHASE OF THE TRIGONAL $RbIn(MoO_4)_2$.**
- P59. R. Kowalczyk, M.B. Zapart, W. Zapart, M. Maczka
SURFACE STUDIES OF FERROELASTIC $KSc(WO_4)_2$.**

- P60. M. Zdanowska-Frączek, P. Ławniczak, M. Ilczyszyn
ELECTRIC PROPERTIES OF BETAINNE ARSENATE CRYSTAL
IN THE PARAELECTRIC-FERROELASTIC PHASE.**
- P61. P. Ławniczak, Cz. Pawlaczyk , M. Zdanowska-Frączek
FIRST AND SECOND UNIVERSALITIES OF CONDUCTIVITY SPECTRA IN
PROTON CONDUCTORS.**
- P62. Ruta Mackeviciute, Maksim Ivanov, Juras Banys, José Antônio Eiras
DIELECTRIC PROPERTIES OF $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})+1\% \text{MnO}_2$ CERAMICS.**
- P63. R. Grigalaitis, S. Lapinskas, J. Banys, E. E. Tornau
DYNAMICS OF RELAXATION TIMES IN THE THREE-DIMENSIONAL ISING
MODEL.**
- P64. A. Dziaugys, J. Banys , Yu. Vysochanskii
DIELECTRIC SPECTROSCOPY OF $\text{Mn}_2\text{P}_2\text{S}_6$ SINGLE CRYSTAL.**
- P65. A. Pawłowski, M. Połomska
IMPEDANCE SPECTROSCOPY AND OPTICAL MICROSCOPY STUDY OF
SUPERIONIC/FERROELASTIC PHASE TRANSITION IN $\text{Rb}_3(\text{H/D})(\text{SeO}_4)_2$.**
- P66. A. Pietraszko, A. Gagor , A. Majchrowski
X-RAY STUDY OF MIXED MULTIFERROIC CRYSTAL $\text{Bi}_{1-x}\text{Sm}_x\text{FeO}_3$.**
- P67. J. Wolak, A. Pawłowski, M. Połomska, A. Pietraszko
MOLECULAR DYNAMICS IN $(\text{NH}_4)_3\text{H}(\text{SeO}_4)_2$ AT SUPERPROTONIC PHASE
TRANSITIONS: RAMAN SPECTROSCOPY STUDY.**
- P68. M. Połomska, B. Hilczer, I. Szafraniak-Wiza, B. Andrzejewski, A. Pietraszko
XRD, RAMAN AND MAGNETIC PROPERTIES STUDIES OF $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$ SOLID
SOLUTION OBTAINED BY MECHANOCHEMICAL SYNTHESIS.**
- P69. E. Buixaderas, P. Ondřejkovič, I. Gregora, J. Hlinka, J. Dec
PHONONS IN FERROELECTRIC $\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$ SINGLE CRYSTALS**
- P70. M. Kempa, J. Hlinka, P. Marton, P. Ondřejkovič
ANHARMONIC LATTICE DYNAMICS OF ALKALI HALIDES**
- P71. L. Szcześniak, M. Połomska, L.F. Kirpicznikova
CALORIMETRIC STUDIES OF SUPERIONIC PHASE TRANSITION IN
 $(\text{NH}_4)_{1-x}\text{Rb}_x)_3\text{H}(\text{SO}_4)_2$ SOLID SOLUTION.**