

Conferințe / lectii invitate:

1. Pintilie, L. and *M. Alexe*.

Pb-based ferroelectrics: Insulators or semiconductors?

17th International Symposium on Integrated Ferroelectrics (ISIF 2005), Shanghai, China, 19 - 22.04.2005.

2. *Alexe, M., M.-W. Chu, L. Pintilie,* and *D. Hesse*.

Interface effects in nanoscale ferroelectric structures.

17th International Symposium on Integrated Ferroelectrics (ISIF 2005), Shanghai, China, 19 - 22.04.2005.

3. *Alexe, M., L. Pintilie,* and *D. Hesse*.

The role of interfaces in nanosize ferroelectric oxides.

Fruhjahrstagung des Arbeitskreises Festkorperphysik der Deutschen Physikalischen Gesellschaft, Berlin, Germany, 04. - 09.03.2005.

4. Pintilie, L. (presenting author), *M. Lisca,* and *M. Alexe*.

Epitaxial quality PZT: Insulator or semiconductor?

6th International Balkan Workshop on Applied Physics, Constanta, Romania. 05 - 07.07.2005.

5. Pintilie, L. (presenting author), *I. Vrejoiu, G. Le Rhun, D. Hesse,* and *M. Alexe*.

Electrical characterization of ferroelectric thin films: Intrinsic versus extrinsic contributions to material properties.

European Materials Research Society Spring Meeting (E-MRS), Nice, France, 29.05. - 2.06.2006.

6. *Alexe, M., L. Pintilie, I. Vrejoiu, G. Le Rhun, D. Hesse,* and *U. Gosele*.

Role of interfaces and extended defects in perovskite thin films.

European Materials Research Society Spring Meeting (E-MRS), Nice, France. 29.05. - 02.06.2006.

7. Pintilie, L., I. Vrejoiu, G. Le Rhun, D. Hesse, M. Alexe, and *U. Gosele*.

Current-voltage characteristics of epitaxial Pb(Zr,Ti)O₃ films and the influence of polarization of the Schottky barrier.

18th International Symposium on Integrated Ferroelectrics, Honolulu, USA, 23. - 28.04.2006.

8. Pintilie, L (presenting author), *I. Vrejoiu, M. Alexe, D. Hesse,* and *U. Gosele*.

Effect of metal electrodes on the electric properties of ferroelectric thin films.

8th International Balkan Workshop of Applied Physics, Constanța, Romania, 05. - 07.07.2007.

9. *Le Rhun, G., I. Vrejoiu, L. Pintilie, D. Hesse, M. Alexe,* and *U. Gosele*.

Ferroelastic domain wall mobility in ferroelectric thin films.

8th European Conference on Applications of Polar Dielectrics, Metz, France. 05. - 08.09.2006.

10. Alexe, M., L. Pintilie, I. Vrejoiu, D. Hesse, G. Le Rhun, I. B. Misirlioglu, and U. Gosele.
Electronic properties of all-oxide metal-ferroelectric interfaces.
Materials Research Society Spring Meeting (MRS), San Francisco, USA. 10. - 13.04.2007.

11. Hesse, D., I. Vrejoiu, D. H. Bao, K. Boldyreva, L. Pintilie, and M. Alexe.
Microstructure-property relations of epitaxial ferroelectric oxide thin films, superlattices, and nanostructure arrays prepared by PLD.
9th International Conference on Laser Ablation (COLA 2007), Tenerife, Spain. 24. - 28.09.2007.

12. Lucian Pintilie
ADVANCED ELECTRICAL CHARACTERIZATION OF FERROELECTRIC THIN FILMS: FACTS AND ARTIFACTS
9th International Balkan Workshop on Applied Physics, Constanța, Romania, 7-9.07.2008

13. L. Pintilie (presenting author), V. Stancu, C. Dragoi, L. Trupina, M. Vlaicu
Ferroelectric multilayers
4th International Conference on Materials Science and Condensed Matter Physics, Chisinau, Moldova, 23-26 September 2008

14. L. Pintilie
Advanced electrical characterization of ferroelectric thin films and multilayers.
EMRS Spring Meeting, Strasbourg, France; Symposium J: Synthesis, Processing and Characterization of Nanoscale Functional Oxide Films, 9-12 June 2009.

15. L. Pintilie
Photovoltaic effect in PZT based oxide structures.
International Symposium on Integrated Functionalities, Hong-Kong, China, 18-21 of June, 2012.

16. L. Pintilie
Electric properties of epitaxial ferroelectric films with perovskite structure and different metals as top electrodes.
E-MRS Spring Meeting, Strasbourg, France; Symposium O: Synthesis, processing and characterization of nanoscale multi functional oxide films IV, 27-31 May, 2013.

17. L. Pintilie
The (electrode) interface effect on the properties of thin films and multilayers with ferroelectric properties.
4th International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems (IC4N), Corfu, Greece, 16-20 June, 2013.

18. Lucian Pintilie (presenting author), Ioana Pintilie, Cristian Mihail Teodorescu, Corneliu Ghica, Luminita Hrib, Cristina Chirila, Lucian Trupina, Andra Georgia Boni, Alin Iuga, Raluca Negrea, Iuliana Pasuk, Mihaela Botea, Lucian Dragoi Filip, Victor Kuncser, Gabriel Schinteie:
Interfaces in Epitaxial Structures Based on Oxide Ferroelectrics.
2014 SUSTAINABLE INDUSTRIAL PROCESSING SUMMIT AND EXHIBITION
SHECHTMAN INTERNATIONAL SYMPOSIUM, Cancun, Mexic, 29 June-4 July 2014.

19. L. Pintilie**Photovoltaic and Pyroelectric properties of ferroelectric thin films.**

EMRS Fall Meeting, Warsaw, Poland; Symposium V: Functional perovskite systems, 15-18 September 2014.

20. L. Pintilie (presenting author), I. Pintilie, C. M. Teodorescu, C. Ghica, I. Pasuk, G. A. Boni, C. Chirila, L. M. Hrib, L. Trupina, R. Negrea, M. Stefan, D. Ghica, V. Stancu

Polarization controlled phenomena in ferroelectric thin films.

2015 Joint IEEE International Symposium on Applications of Ferroelectric (ISAF), International Symposium on Integrated Functionalities (ISIF), and Piezoresponse Force Microscopy Workshop (PFM) (ISAF-ISIF-PFM 2015), Singapore, 24-27 May 2015.

21. L. Pintilie**Polarization driven effects and the role of interfaces in ferroelectric thin films and heterostructures**

Conference for Young Scientists in Ceramics, SM-2015
Faculty of Technology, Novi Sad, Serbia, 21-24 octombrie 2015

22. L. Pintilie (presenting author), I. Pintilie, M. Botea, I. Pasuk, L. Hrib, G. Boni, V. Stancu

Pyroelectric properties in polar thin films

International Symposium on Dielectric Materials and Applications (ISyDMA'2016), Rabat-Kenitra, Maroc, 4-7 May 2016

23. L. Pintilie**Polarization and interfaces driven effects in ferroelectric/multiferroic heterostructures**

International Conference on Technologically Advanced Materials & Asian Meeting on Ferroelectricity (ICTAM-AMF10), New Delhi, India, November 7-11, 2016

24. L. Pintilie**Recent developments in the field of epitaxial ferroelectrics**

18th International Balkan Workshop on Applied Physics and Materials Science- IBWAP 2018" Constanta, 10 – 13 Iulie 2018

25. C. Chirila, A. Boni, M. Botea, L. Hrib, L. Trupina, I. Pasuk, R. Negrea, I. Pintilie, L. Pintilie, G. Le Rhun

Epitaxial growth of ferroelectric thin films and their potential applications

EMS Meeting on Epitaxy, 18-23 Iunie 2018, Viena, Austria

26. Andra Georgia Boni, Cristina Chirila, Luminita Hrib, Lucian Dragos Filip, Lucian Trupina, Iuliana Pasuk, Raluca Negrea, Lucian Pintilie (presenting author)

Recent developments in the field of ferroelectrics for electronic applications

International Conference E-MRS Fall Meeting 2018

27. L. Pintilie**Recent results in the field of epitaxial ferroelectrics**

IV. International Ceramic, Glass, Porcelain, Enamel, Glaze and Pigment Congress-SERES 2018, Eskisehir, 10-12 October, Turkey

28. Georgia A. Boni, Lucian D. Filip, Cristina Chirila, Alin Iuga, I. Pasuk, Luminita Hrib, Lucian Trupina, Ioana Pintilie, Lucian Pintilie

New functionalities and findings in epitaxial ferroelectric structures

EMN Epitaxy, Amsterdam, June 17th -21st , 2019, Holland

29. Lucian Pintilie (presenting author), Andra Georgia Boni, Cristina Chirila, Luminita Hrib, Lucian Trupina, Lucian Dragos Filip

About hysteresis, dielectric constant and negative capacitance in PZT capacitors

E-MRS 2019 Conference, May 26th-June 1st 2019, Nice, France

30. L. Pintilie (presenting author), A. G. Boni, C. Chirila, L. Hrib, L.D. Filip, N. Plugaru, I. Pasuk, L. Trupina, R. Negrea, C. Istrate, L. Balescu, C. Besleaga, G. Stan, I. Pintilie

Recent results and new functionalities in ferroelectric based structures

SIPS Conference 2019, October 23rd -27th, 2019, Pafos, Cipru

31. L. Pintilie (presenting author), G. A. Boni, L. D. Filip, C. Chirilă, L. Hrib, V. Stancu, R. Negrea, C. Istrate, L. Trupină, I. Pașuk, I. Pintilie

Recent Results Regarding the Fundamental Properties of Epitaxial PZT Ferroelectrics

Joint conference of the IEEE International Frequency Control Symposium and IEEE International Symposium on Applications of Ferroelectrics. On-line, July 2020

32. L. Pintilie

Homogeneous versus non-homogeneous switching in perovskite ferroelectrics: can charge injection trigger the switching?

EMRS Spring Meeting, 31 May-3 June 2022, on-line

33. L. Pintilie

Abnormal behavior in epitaxial ferroelectric PZT p-n homojunctions

Global Experts Meet on Condensed Matter Physics, 15-18 June 2022, Roma, Italia

34. L. Pintilie

Homogeneous versus non-homogeneous switching in perovskite ferroelectrics: can charge injection trigger the switching?

Prezentare on-line, a 3-a ediție a AMSE, 21-26 iulie 2022, Opatija, Croația